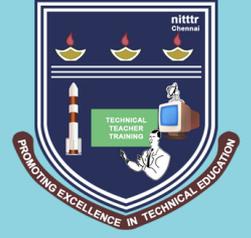


# ANNUAL REPORT 2024 - 2025



**NITTTR** **Chennai**

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

**Institution Deemed to be University under Distinct Category  
A Centrally Funded Technical Institute  
Ministry of Education, Government of India  
Taramani, Chennai - 600 113**



# Annual Report 2024 - 2025

(English Version)

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TRAINING AND RESEARCH**

**Institution Deemed to be University under Distinct Category  
A Centrally Funded Technical Institute, Ministry of Education  
Government of India, Taramani, Chennai 600 113**

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# **ACTIVITY REPORT**

**2024-25**

## PREAMBLE

The National Institute of Technical Teachers Training and Research (NITTTR), Chennai, established in 1964 as an autonomous institution under the aegis of the Ministry of Education (MoE), Government of India, is dedicated to the advancement and enhancement of technical education in India, with a particular focus on the Southern region. The institute's primary mandate is to elevate the standards of technical education through strategic interventions, capacity-building initiatives, and the development of innovative pedagogical resources. The institute designs and delivers need-based professional development programmes tailored for faculty and staff of engineering colleges, polytechnics, vocational institutions, and other technical training entities, utilizing both conventional and contemporary modes of delivery. NITTTR plays a pivotal role in formulating, revising, and updating curricula to meet the evolving demands of industry and society, ensuring alignment with global standards and technological advancements.



NITTTR Chennai actively fosters research in core engineering disciplines as well as in interdisciplinary domains pertinent to technical education. The institute also provides consultancy services aimed at the holistic development of engineering colleges, polytechnics, vocational institutions, industry, the service sector, and the broader community. In pursuit of its objectives, NITTTR Chennai engages in strategic collaborations with national and international institutions, universities, and organizations that share an interest in, or derive benefit from, advancements in technical education and training. These partnerships facilitate knowledge exchange, capacity building, and the dissemination of best practices across the technical education ecosystem.

## 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

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 fulfil 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"

## 1. 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 client 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 trainings 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 text books, laboratory manuals, video programmes, computer-assisted instructional multimedia packages to technical institutions and other organizations
- 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 and 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/organizations
- 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 for SWAYAM as the National Coordinator for this project
- To coordinate National Initiative for Technical Teachers Training policy of AICTE.

## 3. FOCUS OF ACTIVITIES DURING 2024-2025

The institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During 2024-25, the institute undertook programmes, projects and activities under four major areas namely: (i) Professional Development Programmes; (ii) Curriculum Development, (iii) Instructional Resources Development; and (iv) Research and Consultancy Projects.



The institute focused on the following activities during 2024-2025:

1. Training of teachers of engineering colleges, polytechnics and personnel from industrial experts and professionals through short-term courses in areas like engineering and technology, instructional design and delivery, technology-enabled teaching-learning, educational tools for teaching, accreditation, outcome-based education, curriculum development and entrepreneurship development
2. Conducting webinars/workshops for professional development of teachers

3. Developing research capabilities in teachers of engineering colleges, polytechnics and personnel from industries through inter-disciplinary research leading to Ph.D.
4. Offering postgraduate and doctoral degree programmes in emerging fields as an institution deemed to be university
5. Creating opportunities for internship for students from various engineering and management disciplines
6. Providing expertise to overseas participants through specially designed training programmes
7. Developing curricula for new technical programmes and revising the curricula of existing programmes
8. Developing/revising instructional resources (materials and media) needed for effective implementation of polytechnic and engineering college curricula
9. Undertaking research and development projects relevant to technical education system
10. Developing e-content on teacher education under SWAYAM platform
11. Coordinating agency for National Initiatives for Technical Teachers Training (NITTT)
12. Providing consultancy services for the effective implementation and monitoring of the following schemes/projects:
  - Expert committee visit to facilitate accreditation
  - Technical and consultancy service in the area of engineering/technology
  - Need-based human resource development programmes and projects for Industries, Govt. Departments and Service Organizations

#### 4. PROFESSIONAL DEVELOPMENT PROGRAMMES

Advancing the professional development of faculty from engineering colleges and polytechnics remains a cornerstone of the institute's mission. In pursuit of this objective, the institute meticulously crafts and delivers a comprehensive suite of short-term and long-term training programs, webinars, and workshops. These initiatives are thoughtfully tailored to address the evolving needs of teachers and staff from polytechnics and engineering colleges, and are also extended to international educators. By focusing on practical competencies and contemporary skills, the institute ensures that participants are equipped to excel in their professional roles and contribute meaningfully to their institutions.



##### 4.1. LONG-TERM TRAINING PROGRAMMES

###### 4.1.1. OVERSEAS TRAINING COURSES (OTC)

NITTTR Chennai's Overseas Training Courses, fully sponsored by the Ministry of External Affairs, Government of India, empowers professionals from a wide spectrum of developing nations, including those in Asia, East Europe, Central Asia, Africa, Latin America, the Caribbean, as well as Pacific and Small Island countries. For over four decades, the institute has played a pivotal role in delivering specialized training under the ITEC scheme, significantly enhancing its global stature and influence. Through the Ministry's robust technical and economic cooperation initiatives, NITTTR Chennai has helped nurture enduring partnerships, mutual goodwill, and capacity-building among participating countries. The Centre for International Affairs provides strategic oversight and seamless coordination of these programs, while dedicated academic coordinators ensure the highest standards of curriculum delivery and participant engagement. This integrated approach has consistently ensured the success and far-reaching impact of NITTTR Chennai's international training initiatives. For the period 2024-2025, NITTTR Chennai has successfully conducted 9 Overseas Training Courses in the contact mode.



Table 1. Overseas Training Courses

S. No.	Course Title	Duration	Number of Countries	Number of Participants	Course Coordinator
1.	Integrating Industry 4.0 Competency and Twenty First (21 <sup>st</sup> ) Century Skills in Educational Institutions	26.06.2024 - 23.07.2024	15	30	Dr. G. Kulanthaivel
2.	Design of Educational Applications using Web Technologies	07.08.2024 - 03.09.2024	15	22	Dr. V. Shanmuganeethi
3.	Information And Communication Technology in Education and Training	01.10.2024 - 28.10.2024	19	27	Dr. S. Sasirekha
4.	Total Solution for Integrated Library System	16.10.2024 - 29.10.2024	14	30	Dr. R. Ravichandran
5.	Rural Employment Generation through Enterprise Promotion	30.10.2024 - 26.11.2024	1	29	Dr. K.S. Giridharan
6.	Empowering Women Entrepreneurs for Rural Development	22.01.2025 - 4.02.2025	20	28	Dr. P. Jakulin Divya Mary
7.	Strengthening Technical and Vocational Education and Training Systems to Meet the Sustainable Development Goals of United Nations	22.01.2025 - 18.02.2025	25	30	Dr. G. Kulanthaivel
8.	Accreditation on Enhancing Technical Education	12.02.2025 - 26.02.2025	13	17	Dr. R. Santhakumar Dr. G. Janardhanan
9.	Skill Development in Electronics for TVET Trainers and Planners	19.02.2025 - 04.03.2025	12	20	Dr. G.A. Rathy Dr. P. Sivasankar
<b>Total participants</b>				<b>233</b>	

## OVERSEAS TRAINING COURSES





## 4.2. SHORT-TERM TRAINING PROGRAMMES

### 4.2.1. CONTACT MODE PROGRAMMES

With a longstanding commitment to excellence in faculty development, the institute has established itself as a leader in delivering impactful contact mode training programmes. Recognizing that in-person professional development is essential for fostering meaningful peer interaction, hands-on skill enhancement, and immediate feedback, the institute has consistently prioritized these immersive learning experiences for educators. This year, the institute has successfully conducted 89 contact mode programmes, specifically tailored for faculty members from polytechnic colleges, state government engineering colleges, and private engineering institutions.



The specific training needs of polytechnic teachers in each Southern State were identified through comprehensive need analysis conducted by the institute's extension centres and the State Directorates of Technical Education. Based on the findings, course details, duration, and venues were finalized during programme development committee meetings, where representatives from the Southern State Directorates of Technical Education participated. This collaborative approach ensured that the planned courses would effectively address the training needs of technical teachers in the region. Through these proactive efforts and impactful training programs, NITTTR Chennai is making a substantial contribution to the advancement of technical education in the country, especially in the Southern region. By facilitating direct engagement and real-time knowledge exchange, these contact mode programmes play a pivotal role in the continuous professional growth of teachers, ultimately elevating the quality of technical education across the country.

Table 2. List of PDP Contact Mode Programmes conducted

S. No.	Course Title	Duration	Number of Participants
1.	Curriculum Finalization Workshop for C-24	15.04.2024 - 16.04.2024	51
2.	Curriculum Revision Workshop - IV (I Year)	13.05.2024 - 17.05.2024	34
3.	NBA Accreditation Process for UG and PG Programme	13.05.2024 - 17.05.2024	42
4.	Induction Training Programme (batch I)	20.05.2024 - 31.05.2024	31
5.	Induction Training Programme (batch II)	20.05.2024 - 31.05.2024	29
6.	Curriculum Revision Workshop-I (I Year)	27.05.2024 - 31.05.2024	30
7.	Entrepreneurship Development and Start-ups	27.05.2024 - 31.05.2024	28
8.	Trends, Issues and Development in Physical Education, Health Science and Sports	27.05.2024 - 07.05.2024	18
9.	Python for Beginners	03.06.2024 - 07.05.2024	10
10.	Curriculum Revision Workshop - V (I Year)	03.06.2024 - 07.06.2024	36
11.	Instructional Design and Delivery Systems	03.06.2024 - 07.06.2024	2
12.	Induction Training Programme	03.06.2024 - 14.06.2024	45
13.	Instructional Design and Delivery Systems	03.06.2024 - 14.06.2024	30
14.	Induction Training Programme	03.06.2024 - 14.06.2024	30
15.	Induction Training Programme	03.06.2024 - 14.06.2024	28
16.	Curriculum Revision Workshop - II (I Year)	10.06.2024 - 14.06.2024	40
17.	Advanced Pedagogy	10.06.2024 - 14.06.2024	37
18.	PLC Programming	10.06.2024 - 15.06.2024	29
19.	Induction Training Programme	10.06.2024 - 22.06.2024	30
20.	NBA Accreditation Process for Diploma Programme	18.06.2024 - 22.06.2024	5
21.	Revit Architecture	18.06.2024 - 22.06.2024	26
22.	IoT Internet of Things	18.06.2024 - 22.06.2024	28
23.	Induction Training Programme	18.06.2024 - 28.06.2024	29
24.	Induction Training Programme	18.06.2024 - 28.06.2024	34
25.	Induction Training Programme	18.06.2024 - 28.06.2024	35
26.	Induction Training Programme	18.06.2024 - 28.06.2024	34
27.	Analysis and Design of Buildings using ETABS	24.06.2024 - 28.06.2024	11
28.	Water Treatment Techniques	24.06.2024 - 28.06.2024	11
29.	Strategic Planning and Institutional Development	24.06.2024 - 28.06.2024	37
30.	Emerging Trends in Additive Manufacturing	24.06.2024 - 28.06.2024	5
31.	Quality Assurance through NAAC Accreditation Process	01.07.2024 - 05.07.2024	37
32.	CNC Programming	01.07.2024 - 06.07.2024	27
33.	Art of Writing Research Article and Drafting for Grant of Projects	08.07.2024 - 12.07.2024	17
34.	NBA Accreditation	08.07.2024 - 12.07.2024	25
35.	Advanced Pedagogy	08.07.2024 - 12.07.2024	50
36.	Digital Tools for English Language Teaching	08.07.2024 - 12.07.2024	23
37.	Advanced Pedagogy	15.07.2024 - 20.07.2024	55
38.	Induction Programme for Newly Recruited Teachers	15.07.2024 - 26.07.2024	46

S. No.	Course Title	Duration	Number of Participants
39.	Design and Detailing of RCC elements using IS 456-2000 (Limit State Design)	22.07.2024 - 26.07.2024	18
40.	Advanced Pedagogy	22.07.2024 - 26.07.2024	60
41.	Smart Factory	22.07.2024 - 26.07.2024	17
42.	MEAN stack	05.08.2024 - 09.08.2024	8
43.	Outcome-Based Education	05.08.2024 - 09.08.2024	24
44.	Effective Teaching Strategies for English Language Learners	05.08.2024 - 09.08.2024	10
45.	Sustainable SMART City Development using GIS	19.08.2024 - 23.08.2024	60
46.	Effective OBE pedagogy	19.08.2024 - 23.08.2024	17
47.	CNC Machines and Programming	02.09.2024 - 06.09.2024	13
48.	NBA Accreditation Process for Diploma Programme	02.09.2024 - 06.09.2024	39
49.	Training of Teacher on Student Induction Training Programme	04.09.2024 - 06.09.2024	24
50.	Curriculum Revision Workshop for 2nd year Diploma Programmes - I	09.09.2024 - 13.09.2024	28
51.	Design of Steel Structures by using IS 800-2007	09.09.2024 - 13.09.2024	16
52.	Advances in Welding and Manufacturing	09.09.2024 - 13.09.2024	15
53.	Curriculum Revision Workshop for 2nd year Diploma Programmes - II	17.09.2024 - 21.09.2024	33
54.	Communication Skills Laboratory	23.09.2024 - 27.09.2024	18
55.	NBA Accreditation for Diploma Programmes	14.10.2024 - 18.10.2024	40
56.	Outcome-Based Learning and Teaching	21.10.2024 - 25.10.2024	12
57.	NBA Accreditation	04.11.2024 - 08.11.2024	37
58.	Course Material Preparation Workshop (C-24-1)	19.11.2024 - 23.11.2024	12
59.	Induction Training Programme	18.11.2024 - 29.11.2024	52
60.	Sustainable Energy Development	25.11.2024 - 29.11.2024	19
61.	Curriculum Revision Workshop for 2nd year Diploma Programmes - III	02.12.2024 - 06.12.2024	28
62.	Concept to Creation: Design Thinking and Product Development for Aspiring Innovators	02.12.2024 - 06.12.2024	10
63.	Three weeks Industrial Training Programme on INDUSTRY 4.0	02.12.2024 - 20.12.2024	14
64.	Curriculum Revision Workshop for 2nd year Diploma Programmes - IV	09.12.2024 - 13.12.2024	24
65.	Course File Preparation and Question Paper Setting	16.12.2024 - 20.12.2024	35
66.	E-Content Development for Educators: Leveraging Open Source Software	16.12.2024 - 20.12.2024	3
67.	Curriculum Revision Workshop for 2nd year Diploma Programmes - V	16.12.2024 - 20.12.2024	32
68.	Curriculum Revision Workshop for III Year - Batch I	20.01.2025 - 24.01.2025	32

S. No.	Course Title	Duration	Number of Participants
69.	Curriculum Revision Workshop for III Year - Batch II	27.01.2025 - 31.01.2025	28
70.	Yoga and Self-Healing Techniques for Wellbeing	27.01.2025 - 31.01.2025	5
71.	Advanced Pedagogy	27.01.2025 - 31.01.2025	46
72.	Effective Funding and Consultancy Proposal Writing	27.01.2025 - 31.01.2025	6
73.	Project Management Tools and Techniques	03.02.2025 - 07.02.2025	10
74.	Curriculum Revision Workshop for III Year - Batch III	03.02.2025 - 07.02.2025	32
75.	Robotics and Machine Vision	03.02.2025 - 07.02.2025	13
76.	Curriculum Revision Workshop for III Year - Batch IV	10.02.2025 - 14.02.2025	26
77.	PLC Programming and Applications for Mechanical Engineers	10.02.2025 - 14.02.2025	20
78.	Curriculum Revision Workshop for III Year - Batch V	17.02.2025 - 21.02.2025	27
79.	Digital Transformation in Manufacturing	17.02.2025 - 21.02.2025	11
80.	Academic Leadership for Higher Educational Institutions	24.02.2025 - 28.02.2025	44
81.	Outcome-Based Assessment	24.02.2025 - 28.02.2025	16
82.	Gamification and Game-based Learning	03.03.2025 - 07.03.2025	11
83.	Outcome-Based Curriculum Design and Implementation	03.03.2025 - 07.03.2025	16
84.	Communication Skills Laboratory	03.03.2025 - 07.03.2025	12
85.	Instructional Design and Delivery Systems	10.03.2025 - 14.03.2025	11
86.	Internet of things (IoT) using Arduino and Raspberry Pi	10.03.2025 - 14.03.2025	24
87.	Industry 4.0 and Internet of Things (IoT) Applications	17.03.2025 - 21.03.2025	8
88.	Additive Manufacturing: Industrial Perspective	17.03.2025 - 21.03.2025	5
89.	Machine Learning Techniques for Research Applications	24.03.2025 - 28.03.2025	11
		<b>Total participants</b>	<b>2297</b>

### CONTACT MODE PROGRAMMES





#### 4.2.2. ONLINE MODE PROGRAMMES

Our online programmes are meticulously designed to address the evolving needs of teachers, offering flexible, accessible, and high-quality training. What began as a response to the pandemic in 2020 has now become a cornerstone of NITTTR Chennai's professional development strategy. The popularity of these online programmes has soared, with thousands of educators benefitting from these interactive online professional development programmes each year. The success of this digital transformation is evident in the institute's sustained commitment to offering a diverse range of online courses, empowering teachers with the latest skills and pedagogical innovations, and contributing significantly to the advancement of technical education in India.



Table 3. List of PDP Online Mode Programmes conducted

S. No.	Course Title	Duration	Number of Participants
1.	Information Security	01.04.2024 - 05.04.2024	10
2.	Assessment and Developing Teaching Competency	01.04.2024 - 05.04.2024	13
3.	Industry 4.0 - Concepts and Applications	01.04.2024 - 05.04.2024	28
4.	Agribusiness Entrepreneurship	01.04.2024 - 05.04.2024	14
5.	MATLAB and LabVIEW Applications	08.04.2024 - 13.04.2024	24
6.	Entrepreneurial Marketing	08.04.2024 - 13.04.2024	18
7.	Data Analytics	15.04.2024 - 20.04.2024	24
8.	Measurement and Control for System Automation	22.04.2024 - 27.04.2024	15
9.	Construction Techniques for Earthquake Resistant Structures	29.04.2024 - 03.05.2024	14
10.	Verilog Programming	29.04.2024 - 03.05.2024	16
11.	Smart Manufacturing	29.04.2024 - 03.05.2024	13
12.	Software Engineering and Project Management	06.05.2024 - 11.05.2024	47
13.	Digital and Mobile Communication Engineering	06.05.2024 - 11.05.2024	40

S. No.	Course Title	Duration	Number of Participants
14.	Computer Integrated Manufacturing	06.05.2024 - 11.05.2024	22
15.	Modelling and Simulation using MATLAB and SCILAB	14.05.2024 - 18.05.2024	53
16.	Non-Traditional Machining	14.05.2024 - 18.05.2024	21
17.	Entrepreneurial Finance	27.05.2024 - 31.05.2024	14
18.	Disaster Management	27.05.2024 - 31.05.2024	37
19.	VHDL Programming	27.05.2024 - 31.05.2024	15
20.	Data Analytics with Python for Media Applications	27.05.2024 - 31.05.2024	20
21.	Circuit creation analysis simulation and PCB Design using Multisim	03.06.2024 - 07.06.2024	35
22.	Social Network Analysis	10.06.2024 - 14.06.2024	26
23.	AI Applications in Electrical and Electronics Engineering	10.06.2024 - 14.06.2024	55
24.	Energy and Environmental Management	10.06.2024 - 14.06.2024	30
25.	Advanced Soil Stabilization Techniques	10.06.2024 - 14.06.2024	38
26.	AI and ML in Drone Applications	10.06.2024 - 14.06.2024	27
27.	ICT for Teaching and Learning	10.06.2024 - 14.06.2024	151
28.	Robotics and Mechatronics for Industrial Automation	24.06.2024 - 28.06.2024	33
29.	Arduino Projects using Tinkercad	24.06.2024 - 28.06.2024	47
30.	Recent Development in Mechanical Engineering	24.06.2024 - 28.06.2024	25
31.	Business Analytics Laboratory using Excel	25.06.2024 - 28.06.2024	12
32.	RDBMS using PostgreSQL	08.07.2024 - 10.07.2024	10
33.	Cyber Security	08.07.2024 - 12.07.2024	35
34.	Electric Vehicle Systems and Control	08.07.2024 - 12.07.2024	68
35.	Developing Instructional Material	08.07.2024 - 12.07.2024	32
36.	Role of wide band gap devices in Power Electronics Engineering	15.07.2024 - 20.07.2024	17
37.	Designing and Developing Educational Media	15.07.2024 - 20.07.2024	24
38.	Predictive Analytics	22.07.2024 - 26.07.2024	20
39.	Programmable Logic Controllers	22.07.2024 - 26.07.2024	53
40.	Innovative Approaches in Teaching and Learning	22.07.2024 - 26.07.2024	67
41.	Internet of Things	29.07.2024 - 02.08.2024	46
42.	Student Psychology	29.07.2024 - 02.08.2024	56
43.	Data Communication and Networking	29.07.2024 - 02.08.2024	9
44.	Digital Pedagogy and Online Tools	29.07.2024 - 02.08.2024	55
45.	Quality Assurance of Technical Institutions through Accreditation	05.08.2024 - 09.08.2024	20
46.	Design of Electrical and Electronic systems for Wind and Solar	05.08.2024 - 09.08.2024	41
47.	Applications of Cloud Computing in Media and Internet	05.08.2024 - 09.08.2024	28
48.	Renewable Energy Sources	05.08.2024 - 09.08.2024	23
49.	Entrepreneurial Leadership	05.08.2024 - 09.08.2024	28
50.	Analysis of Multi-storeyed Buildings for Vertical and Lateral Loads	19.08.2024 - 23.08.2024	13

S. No.	Course Title	Duration	Number of Participants
51.	Graphical System Design using LabVIEW	19.08.2024 - 23.08.2024	20
52.	Intrapreneurship Facilitator: Nurturing Intrapreneurial Talent	19.08.2024 - 23.08.2024	8
53.	Application development with MongoDB	26.08.2024 - 30.08.2024	19
54.	Modelling and Simulation of Systems with Python and Virtual Instrumentation	26.08.2024 - 30.08.2024	19
55.	Infographics and Digital Storytelling	26.08.2024 - 30.08.2024	19
56.	Induction Training Programme	02.09.2024 - 13.09.2024	23
57.	Instructional Design and Delivery System	02.09.2024 - 06.09.2024	1
58.	Web Design using HTML5 and CSS3 with Bootstrap	02.09.2024 - 06.09.2024	14
59.	Cloud Computing	09.09.2024 - 13.09.2024	19
60.	Advanced Pedagogy	09.09.2024 - 13.09.2024	86
61.	Academic Leadership and Classroom Management	09.09.2024 - 13.09.2024	30
62.	MATLAB Programming	09.09.2024 - 13.09.2024	14
63.	Ethics in Entrepreneurship	09.09.2024 - 13.09.2024	14
64.	IoT and Image Processing for UAV Applications	09.09.2024 - 13.09.2024	29
65.	Managing Stress for Effective Living	09.09.2024 - 13.09.2024	18
66.	Biomedical Electronics, and Telemedicine and IoT in Healthcare	23.09.2024 - 27.09.2024	161
67.	Applications of Artificial Intelligence and Machine Learning in Control and Power Systems	23.09.2024 - 27.09.2024	27
68.	Computer Aided Design and Process Planning	23.09.2024 - 27.09.2024	23
69.	Thermal Power and Energy Engineering	23.09.2024 - 27.09.2024	24
70.	Eco-tourism and Recreational Enterprising	23.09.2024 - 27.09.2024	10
71.	Social Media Marketing	23.09.2024 - 27.09.2024	8
72.	Employability Skills	23.09.2024 - 27.09.2024	18
73.	Managing Emotions at Work	30.09.2024 - 05.10.2024	37
74.	AI/ML in Robotic Applications	14.10.2024 - 18.10.2024	26
75.	Advances in Casting and Manufacturing	14.10.2024 - 18.10.2024	29
76.	Road Safety Audit Process and Procedures	14.10.2024 - 18.10.2024	25
77.	Gamification Practices in Language Pedagogy	21.10.2024 - 25.10.2024	23
78.	Advanced Communication Systems	21.10.2024 - 25.10.2024	35
79.	Internet of Things sensors and Actuators	21.10.2024 - 25.10.2024	53
80.	Video-based Collaborative Learning	21.10.2024 - 25.10.2024	27
81.	Enabling Entrepreneurship and Start-up Mindset	21.10.2024 - 25.10.2024	11
82.	Environmental Entrepreneurship	21.10.2024 - 25.10.2024	24
83.	Machine Learning for Beginners	21.10.2024 - 25.10.2024	19
84.	Sustainable Construction Materials and Techniques	21.10.2024 - 25.10.2024	32
85.	Motivation and Change Management	04.11.2024 - 08.11.2024	24
86.	R Programming for Data Exploration	04.11.2024 - 08.11.2024	15
87.	Nanotechnology and Applications	04.11.2024 - 08.11.2024	34
88.	Robotics for Factory Automation	04.11.2024 - 08.11.2024	14
89.	Aquaculture Entrepreneurship	04.11.2024 - 08.11.2024	12
90.	AI-Enhanced Business Planning	04.11.2024 - 08.11.2024	8
91.	Design of RCC and Steel Structures	04.11.2024 - 08.11.2024	22
92.	Transportation Planning and Green Building	18.11.2024 - 22.11.2024	18

S. No.	Course Title	Duration	Number of Participants
93.	PHP and MySQL/ Postgress	18.11.2024 - 22.11.2024	24
94.	Software Architectural Patterns	18.11.2024 - 22.11.2024	11
95.	Workplace Counselling	18.11.2024 - 22.11.2024	13
96.	Industry-Integrated Academia for Quality Education	18.11.2024 - 22.11.2024	19
97.	Cyber Physical Systems (CPS)	18.11.2024 - 22.11.2024	56
98.	Collaborative Learning Tools for Digital Classroom	18.11.2024 - 22.11.2024	80
99.	Modern Software Tools usage in Electrical and Electronics Engineering	18.11.2024 - 22.11.2024	31
100.	Present and Future Trends in Unmanned Aerial Vehicles	18.11.2024 - 22.11.2024	17
101.	Fundamentals of HR Analytics	25.11.2024 - 29.11.2024	28
102.	Green Minds - Education for a Sustainable Future	25.11.2024 - 29.11.2024	24
103.	Generative AI in Pedagogy	25.11.2024 - 29.11.2024	34
104.	Role of Underwater Sensors in Ocean Technology	25.11.2024 - 29.11.2024	12
105.	PLC and SCADA	25.11.2024 - 29.11.2024	30
106.	E-Learning Authoring Tools	25.11.2024 - 29.11.2024	17
107.	English for Research	02.12.2024 - 06.12.2024	21
108.	Recent trends in Industrial Automation	02.12.2024 - 06.12.2024	39
109.	Recent Trends in Marketing	02.12.2024 - 06.12.2024	22
110.	Product development for entrepreneurship	02.12.2024 - 06.12.2024	9
111.	Python Programming	09.12.2024 - 13.12.2024	13
112.	Self-Directed Learning in Engineering Education: A Future Perspective	09.12.2024 - 13.12.2024	25
113.	Cyber security awareness for handling Social Media Vulnerabilities	09.12.2024 - 13.12.2024	12
114.	Pavement design using IRC guidelines	16.12.2024 - 20.12.2024	13
115.	Social Media for Educators	16.12.2024 - 20.12.2024	17
116.	Engineering Pedagogy for achieving SDG 4	16.12.2024 - 20.12.2024	27
117.	Communication System and its applications in Underwater	16.12.2024 - 20.12.2024	40
118.	Sensors and Instrumentation	16.12.2024 - 20.12.2024	28
119.	Digital Literacy and Technology Competency	16.12.2024 - 20.12.2024	18
120.	Energy, Thermal and Refrigeration and Air-conditioning	16.12.2024 - 20.12.2024	18
121.	Circular Economy Businesses	16.12.2024 - 20.12.2024	9
122.	Advanced Pedagogy	06.01.2025 - 10.01.2025	115
123.	Attitudinal Development and Change Management	06.01.2025 - 10.01.2025	11
124.	Open Educational Research (OER) and Social Media Analytics	06.01.2025 - 10.01.2025	9
125.	Robot Modelling and Simulation	06.01.2025 - 10.01.2025	13
126.	Supply Chain Entrepreneurship: Bridging Business and Logistics	20.01.2025 - 24.01.2025	9
127.	Applied Engineering Education: Techniques for Experiential Learning	20.01.2025 - 24.01.2025	25
128.	Smart Grids and Renewable Energy Systems	20.01.2025 - 24.01.2025	19

S. No.	Course Title	Duration	Number of Participants
129.	Creative Dimensions: Multimedia and Animation Skills for Digital Innovation	20.01.2025 - 24.01.2025	10
130.	Digital Tools for Education	20.01.2025 - 24.01.2025	12
131.	Trends in 3D Printing and Manufacturing	27.01.2025 - 31.01.2025	29
132.	Emerging Trends in Learning Technologies	27.01.2025 - 31.01.2025	68
133.	Digital Literacy for Women Empowerment	27.01.2025 - 31.01.2025	18
134.	Electric Vehicle Technology and Lithium-ion Batteries	27.01.2025 - 31.01.2025	20
135.	Innovation and Start-up	03.02.2025 - 07.02.2025	16
136.	Blockchain Technologies	03.02.2025 - 07.02.2025	13
137.	Indian Knowledge Systems and Universal Human Values	03.02.2025 - 07.02.2025	29
138.	Recent Trends in Research - A Critical Thinking Perspective	03.02.2025 - 07.02.2025	18
139.	Simulations in Electronics	03.02.2025 - 07.02.2025	18
140.	Advances in Heat Treatment and Material Processing	03.02.2025 - 07.02.2025	26
141.	Carbon Offsetting Business Initiatives	03.02.2025 - 07.02.2025	14
142.	Cyber Forensics	10.02.2025 - 14.02.2025	16
143.	Innovative ICT Solutions for Educational Learning and Research	10.02.2025 - 14.02.2025	6
144.	Academic Leadership and Governance	10.02.2025 - 14.02.2025	27
145.	Leveraging Contemporary Educational Tools for Engagement	10.02.2025 - 14.02.2025	12
146.	Design Thinking for Entrepreneurship	10.02.2025 - 14.02.2025	13
147.	Transportation Engineering	17.02.2025 - 21.02.2025	10
148.	Data Communication and Networks	17.02.2025 - 21.02.2025	15
149.	Project-Based Learning in Education	17.02.2025 - 21.02.2025	28
150.	Smart and Intelligent Systems	17.02.2025 - 21.02.2025	32
151.	Advancement in Robotics	17.02.2025 - 21.02.2025	13
152.	Technical Research to Publication: Practical Insights into Journal Paper Drafting	24.02.2025 - 28.02.2025	25
153.	Communication Skills for Professional Excellence	24.02.2025 - 28.02.2025	25
154.	Life Skills Management	24.02.2025 - 28.02.2025	17
155.	LabVIEW Programming	24.02.2025 - 28.02.2025	23
156.	Quality Management System in Entrepreneurship	24.02.2025 - 28.02.2025	10
157.	Recent Trends in Metal Additive Manufacturing	24.02.2025 - 28.02.2025	18
158.	Cryptography Techniques	03.03.2025 - 07.03.2025	12
159.	Greener Technologies and Entrepreneurship	03.03.2025 - 07.03.2025	12
160.	Whole Brain Engineering	03.03.2025 - 07.03.2025	15
161.	Data-Driven Insights for Heutagogical Learning in Green Engineering	03.03.2025 - 07.03.2025	13
162.	Women's Health in Well Being	03.03.2025 - 07.03.2025	24
163.	Managing Emotions at Work	03.03.2025 - 07.03.2025	18
164.	Business Analytics using Tableau	03.03.2025 - 07.03.2025	28
165.	Data Management and Privacy	10.03.2025 - 14.03.2025	15

S. No.	Course Title	Duration	Number of Participants
166.	NEP-2020 Impact and Plans	10.03.2025 - 14.03.2025	16
167.	Wireless Communication	10.03.2025 - 14.03.2025	15
168.	Quality Management	10.03.2025 - 14.03.2025	13
169.	Problem-Solving Skills in Engineering through Self-Directed Learning	17.03.2025 - 21.03.2025	14
170.	Outcome-Based Education	17.03.2025 - 21.03.2025	12
171.	Intelligent Control and Automation	17.03.2025 - 21.03.2025	16
172.	Unlocking the Potential of Multimedia	17.03.2025 - 21.03.2025	11
173.	Data Visualisation using Power BI	17.03.2025 - 21.03.2025	11
174.	Emerging Trends in Digital Learning Environments	17.03.2025 - 21.03.2025	25
175.	Rural Entrepreneurship Development	17.03.2025 - 21.03.2025	10
176.	Solar, Wind and Bio Energy Applications	17.03.2025 - 21.03.2025	28
177.	Community-Based Enterprising	24.03.2025 - 28.03.2025	11
178.	Disaster Management and Resilient Infrastructure	24.03.2025 - 28.03.2025	16
179.	Innovative Research Methodology for Effective Investigation	24.03.2025 - 28.03.2025	18
180.	Cloud Computing for Media and OTT platforms	24.03.2025 - 28.03.2025	11
181.	Career Guidance and Planning Skills	24.03.2025 - 28.03.2025	21
182.	Core and Interdisciplinary Research Methodology and IPR	24.03.2025 - 28.03.2025	15
183.	Question Paper Setting and Student Evaluation	24.03.2025 - 28.03.2025	28
		<b>Total participants</b>	<b>4590</b>

### ONLINE PROGRAMMES





#### 4.2.3. PROGRAMMES ORGANISED AT HOST INSTITUTIONS

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers under sponsored category. During this year the courses were conducted in the following areas:



Table 4. List of Programmes organized at Host Institutions

S. No.	Course Title	Duration	Venue	Number of Participants
1.	PLC and Automation	22.04.2024 - 26.04.2024	Sai Ram Engineering College, Chennai	28
2.	Analysis and Design of Structures using ETABS	22.04.2024 - 26.04.2024	Er. Perumal Manimekalai College of Engineering, Hosur	15
3.	MOOC - Design, Delivery and Evaluation	13.05.2024 - 17.05.2024	NITTE Mangalore	30
4.	Advanced Pedagogy	07.05.2024 - 17.05.2024	Dr. B.R. Ambedkar Institute of Technology, Port Blair, Andaman and Nicobar	42
5.	Blockchain Technologies	03.06.2024 - 07.06.2024	Madanapalle Institute of Technology and Science, Andhra Pradesh	40
6.	Instructional Design and Delivery Systems	16.05.2024 - 18.05.2024	National Engineering College, Kovilpatti	50
7.	Outcome-Based Education and Implementation	18.06.2024 - 20.06.2024	Muthoot Institute of Technology and Science, Kerala	40
8.	Teaching - Learning Process for Student-centric Approach	03.06.2024 - 07.06.2024	RMK Engineering College, Kavaraipeitai	38
9.	Teaching, Learning, Assessment and Evaluation	22.07.2024 - 26.07.2024	Geethanjali College of Engineering and Technology, Hyderabad	40
10.	Instructional Design and Delivery Systems	26.08.2024 - 30.08.2024	Guru Nanak Dev Engineering College, Bidar, Karnataka	37
11.	Emerging Techniques in IT Domain	11.07.2024 - 13.07.2024 and 29.07.2024 - 30.07.2024	RMK Engineering College, Chennai	37

S. No.	Course Title	Duration	Venue	Number of Participants
12.	Outcome-Based Education	12.08.2024 - 14.08.2024	Karunya Institute of Technology and Science, Coimbatore	37
13.	Mentoring and Counselling Skills for Teachers	26.08.2024 - 30.08.2024	National Engineering College, Kovilpatti	45
14.	Instructional Design and Delivery Systems	26.08.2024 - 30.08.2024	JSS Science and Technology University, Mysuru	49
15.	Instructional Design and Delivery Systems	12.08.2024 - 17.08.2024	Sri Venkateswara College of Engineering Technology, Chittoor	42
16.	Scientific Methodology of Evaluation, Test Construction and Item Analysis	19.08.2024 - 23.08.2024	Ground Instructors School (GIS), Indian Airforce, Tambaram	47
17.	Innovative Teaching Strategies and Pedagogical Excellence	23.09.2024 - 27.09.2024	National Institute of Technology, Meghalaya	15
18.	Scientific Methodology of Evaluation, Test Construction and Item Analysis	11.11.2024 - 16.11.2024	Ground Instructors School (GIS), Indian Airforce, Tambaram	42
19.	OBE - Aligned Syllabus Development: Crafting Outcome - Driven Teaching Strategies	10.12.2024 - 12.12.2024	Saintgits College of Engineering, Kottayam	37
20.	Educational Technologies, Flipped and Blended Learning	10.12.2024 - 12.12.2024	Muthayammal Engineering College, Rasipuram	43
21.	Foundations of Teaching Learning	06.01.2025 - 10.01.2025	Aditya University, Surampalem	40
22.	Autonomy: Curriculum Design	06.01.2025 - 10.01.2025	Pimpri Chinchwad College of Engineering and Research, Ravet, Pune	45
23.	Instructional Design and Delivery Systems	09.12.2024 - 13.12.2024	Mohan Babu University, Andhra Pradesh	32
24.	Micro Teaching Evaluation	26.12.2024 - 31.12.2024	SRM Institute of Science and Technology, Ramapuram, Chennai	42
25.	Foundation of Teaching and Learning	20.01.2025 - 25.01.2025	Selvam College of Technology, Namakkal	40
26.	Enhancing Teaching Excellence: Professional Ethics, Innovative Pedagogy, and Student Development	07.01.2025 - 10.01.2025	PSNA College of Engineering and Technology, Dindigul	55
27.	Instructional Design and Delivery Systems	20.01.2025 - 24.01.2025	P.S.R. Engineering College, Sevalpatti, Sivakasi	50

S. No.	Course Title	Duration	Venue	Number of Participants
28.	Induction Training Programme for the Young Faculty	04.02.2025 - 08.02.2025	ACS College of Engineering, Kambipura, Bangalore	40
29.	Innovative Pedagogical Approaches for Outcome Based Education	24.02.2025 - 28.02.2025	KLS Gogte Institute of Technology, Karnataka	50
30.	Augmented Reality and Virtual Reality	24.02.2025 - 01.03.2025	Madanapalle Institute of Technology and Science, Andhra Pradesh	40
31.	National Education Policy 2020	10.03.2025 - 14.03.2025	Madanapalle Institute of Technology and Science, Andhra Pradesh	35
32.	Workshop for Technical Instructors	03.03.2025 - 07.03.2025	20 TETTRA School, Air Force Station Bidar, Karnataka	37
33.	Writing Successful Research proposals for Funding	27.03.2025	Coimbatore Institute of Technology, Coimbatore	36
			<b>Total participants</b>	<b>1298</b>

#### TRAINING PROGRAMMES CONDUCTED AT TECHNICAL INSTITUTIONS





### 4.3. SKILL DEVELOPMENT PROGRAMMES

The Skill Development Programme empowers individuals by enhancing their abilities, supporting to build a skilled, adaptable workforce. Through targeted training participants gain essential skills for today's job market. NITTTR focus on continuous learning boosts employability and drives organizational growth.



Table 5. List of Skill Development Programmes conducted

S. No.	Title of the Programme	Sponsoring Agency	Duration	Venue	Co-ordinator	Number of Participants
1.	PMKVY 4.0 - Skill Hub Initiative - Drone Manufacturing and Assembly Technician Batch - I	Ministry of Skill Development and Entrepreneurship	24.07.2024 - 21.10.2024	NITTTR Chennai	Prof. Dr. Usha Natesan Dr. K.S. Giridharan	45
2.	PMKVY 4.0 - Skill Hub Initiative - Drone Manufacturing and Assembly Technician - II	Ministry of Skill Development and Entrepreneurship	26.07.2024 - 21.10.2024	NITTTR Chennai	Prof. Dr. Usha Natesan Dr. K.S. Giridharan	25

### 4.4. INDUSTRIAL TRAINING PROGRAMME

The institute has established good collaboration with the Government organizations and industries. The Government organizations and industries are also availing the experience, expertise and resources of the institute for getting their engineers and staff trained.



Table 6. List of Industry Training Programmes conducted

S. No.	Title of the Programme	Name of the Collaborating Industry	Duration	Number of Participants
1.	Three-week Industrial Training Programme on INDUSTRY 4.0	Pantech Solutions, Chennai (Private organization)	02.12.2024 - 20.12.2024	14

#### 4.5. SPECIAL TRAINING PROGRAMMES

NITTTR Chennai designed special training programmes to address emerging needs and niche areas in technical education. Conducted primarily in contact mode, these programmes focused on specialized topics such as soil investigation, structural design, and detailing in building construction, roads, and culverts, delivered in multiple expert-led batches. Tailored to enhance faculty and practitioner skills, each batch provided hands-on sessions, real-world problem-solving, and collaborative learning opportunities. These initiatives contributed to capacity building, professional upskilling, and the dissemination of best practices across technical institutions, reinforcing the institute's commitment to excellence and adaptability in technical teacher training.



Table 7. List of other Special Training Programmes conducted

S. No.	Mode	Name of the Programme	Duration
1.	Contact	Soil Investigation, Structural Design, and Detailing in Building Construction, Roads, and Culverts (Batch-I)	11.11.2024 - 15.11.2024
2.	Contact	Soil Investigation, Structural Design, and Detailing in Building Construction, Roads, and Culverts (Batch-II)	25.11.2024 - 29.11.2024
3.	Contact	Soil Investigation, Structural Design, and Detailing in Building Construction, Roads, and Culverts (Batch-III)	02.12.2024 - 06.12.2024
4.	Contact	Soil Investigation, Structural Design, and Detailing in Building Construction, Roads, and Culverts (Batch-IV)	09.12.2024 - 13.12.2024
5.	Contact	Soil Investigation, Structural Design, and Detailing in Building Construction, Roads, and Culverts (Batch-V)	16.12.2024 - 20.12.2024

### 5. ACADEMIC AND RESEARCH PROGRAMMES

#### 5.1. DOCTORAL RESEARCH PROGRAMME

The institute continued vigorously to promote educational research programmes and encourage technical teachers, working personnel from industries and other education sectors to undertake research work in the areas of Engineering, Management and Education (Inter-disciplinary). The institute is also a recognized Doctoral research centre by the University of Madras, Chennai.



Table 8. Ph.D. Degree Admissions

S. No.	Ph.D. Programmes	Number of Students admitted in 2024-25
<b>Faculty of Engineering and Technology</b>		
1.	Ph. D in Civil Engineering	02
2.	Ph. D in Mechanical Engineering	02
3.	Ph. D in Computer Science Engineering	11
4.	Ph. D in Electronics and Communication Engineering	02
<b>Faculty of Education</b>		
5.	Ph. D in Engineering Education	11
<b>Faculty of Management</b>		
6.	Ph. D in Management	09
	<b>TOTAL</b>	<b>37</b>

## 5.2. POSTGRADUATE PROGRAMMES (Batch I)

The year 2024 marked a significant milestone for NITTTR Chennai as it attained the status of a Deemed to be University. In its inaugural year under this new status, the institute admitted students to five specialised M.Tech. programmes across various engineering disciplines. A total of 176 students joined these programmes, reflecting the institution's commitment to advancing technical education and research in emerging and industry-relevant domains.

Table 9. P.G. Degree Admissions

S. No.	Academic Programmes	Department	Number of Students
1.	M.Tech. in Artificial Intelligence and Machine Learning	Computer Science and Engineering	22
2.	M.Tech. in Infrastructure Engineering and Management	Civil Engineering	38
3.	M.Tech. in Mechatronics	Mechanical Engineering	54
4.	M.Tech. in Power Electronics and Drives	Electrical and Electronics Engineering	38
5.	M.Tech. in VLSI Design and Embedded Systems	Electronics and Communication Engineering	24
<b>TOTAL</b>			<b>176</b>

### 5.2.1 Internship Training Provided

During 2024-2025, NITTTR Chennai successfully organized structured internship training programmes for postgraduate students across various disciplines. These internships offered hands-on exposure to students who are engaged in live projects, laboratory work, and collaborative activities with faculty mentors, bridging academic learning with real-world applications. The programme enhanced professional competencies, problem-solving abilities, and industry-readiness while fostering innovation and teamwork. Partnerships with academic institutions, industry, and research organizations further enriched the internship experience, aligning it with current trends and national skill-development goals.



Table 10. Internship Training Provided for Students

S. No.	Department	Name of the Institution	Duration	Number of students
1.	Department of Mechanical Engineering	Madras Institute of Technology, Chennai	11.06.2024 - 20.07.2024	5
2.	Department of Rural and Entrepreneurship Development	Madanapalle Institute of Technology and Science, Andhra Pradesh	24.06.2024 - 13.07.2024	9
3.	Department of Rural and Entrepreneurship Development	Madanapalle Institute of Technology and Science, Andhra Pradesh	14.10.2024 - 30.10.2024	10
4.	Extension Centre, Kerala	MAR Baselios Institute of Technology and Science, Nellimattom, Kerala	25.09.2024 - 30.12.2024	4

## 6. FACULTY ACHIEVEMENTS

The faculty members of NITTTR Chennai continue to demonstrate excellence in teaching, research, consultancy, and professional service, contributing significantly to the institute's vision and mission. During this year, they have published high-quality research papers, authored books and chapters, developed innovative teaching materials, and secured funded projects from reputed agencies. Many have been invited as resource persons, keynote speakers, and expert committee members at national and international forums. Their active engagement in curriculum development, capacity building, industry collaboration, and community outreach reflects the institute's commitment to academic leadership and societal impact.



Prof. Usha Natesan, Director, NITTTR, Chennai took charge as the Director (i/c) of IIIT Tiruchirappalli on 03.10.2024.

Table 11. Awards and Honours received by the Faculty Members

S. No.	Faculty Name	Name of the Honour / Award / Prize	Awarding Body	Date
1.	Dr. Usha Natesan	Tamil Nadu Scientist Award	Tamil Nadu State Council for Science and Technology	23.09.2024
2.	Dr. G. Kulanthaivel	The Institution of Electronics and Telecommunication Engineers (IETE)	IETE Chennai Centre	29.09.2024
3.	Dr. G. Janardhanan	FOSSEE GIS - National Geospatial Faculty Fellow	NMEICT IIT Bombay	15.09.2024
4.	Dr. K.N. Shoba	Best Paper Award	Chandigarh University	14.09.2024
5.	Dr. P. Jakulin Divya Mary	Digital Learning Innovation Award	ASET Journal of Management	04.09.2024
6.	Dr. V. Vandhana Devi	Faculty Excellence Award	SNS Group of Institutions	27.12.2024
7.	Dr. V. Vandhana Devi	Research Excellence Award	TNECFWA Faculty Awards	01.03.2025

### 6.1. BOOKS AUTHORED / EDITED

The faculty of NITTTR Chennai continue to contribute significantly to academic knowledge through the publication of books and reference materials. These works reflect their expertise, innovation, and commitment to advancing technical education, benefiting both educators and learners. Such publications enhance institutional visibility and academic impact nationally and globally.



Table 12. Books published

S. No.	Author's (s) Name	Book Title	Publisher	Page No. (ISBN/ ISSN No.)	Year
1.	R.Suja Mani Malar, Ganesh Vasudeo Manerkar, T. Ambikadevi Amma, M. Baritha Begum	An IOT and Blockchain Perspective	COSMAS Scientific Publications	9788119359868	2024
2.	Bogi Reddy and Vinod Kumar Adigopula	Beyond Caves to COSMOS: Unravelling the evolution of mutual	Pencil	9362632195	2024

		social life and human curiosity			
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## 6.2. BOOK CHAPTERS PUBLISHED

Faculty members at NITTTR Chennai contribute to academic literature through the publication of book chapters in edited volumes. These chapters reflect their expertise and research contributions, enhancing the institute's role in advancing theory and practice in technical education and related fields. Their work not only enriches academic discourse but also serves as valuable resources for educators and practitioners alike.



Table 13. Book Chapters published

S. No.	Author's (s) Name	Chapter Title	Book Title	Publisher	ISBN No.
1.	T. Subha, R. Ranjana Saikiran	Lecture Notes in Electrical Engineering	Measuring Dimensions of Objects Using Camera with Deep Learning	Springer	9789819784646
2.	M. Anil Kumar P.G. Moradeeya K. Manikanda Bharath, P.Jakulin Divya Mary, K.S. Giridharan	Pyrolytic Conversion of Heterogenic Natural Waste Biomass from Rural Communities with Concomitant Valorization	Circular Bioeconomy Perspectives in Sustainable Bioenergy Production	Springer, Singapore	<a href="https://doi.org/10.1007/978-981-97-2523-6_11">https://doi.org/10.1007/978-981-97-2523-6_11</a>
3.	K. N. Shoba D. Shereena	Inheriting Trauma: Reading Anjali Enjeti's The Parted Earth as a Diasporic Fiction of Post-Memory and Genetic Trauma	Writers of Indian Diaspora	Atlantic Publishers, New Delhi	9788126911462

## 6.3. RESEARCH PAPERS PUBLISHED IN JOURNALS

Faculty members at NITTTR Chennai regularly publish research papers in reputed national and international journals, contributing significantly to the advancement of technical and vocational education. These publications reflect the institute's dedication to high-quality research and academic leadership in the field.



Table 14. Papers published in Journals

S. No.	Author's (s) Name	Title	Name of the Journal	Vol. (Issue No.)	Year
1.	M. Arasumani, M. Kumaresan, E. Balasubramanian	Mapping native and non-native vegetation communities in a coastal wetland complex using multiseasonal Sentinel-2 time series	Biological Invasions	26(1)	2024

2.	G. S. Uthayakumar G. Kulanthaivel V. Ulagamuthalvi	Characterization of rigid electromagnetic interference shielding composite using biomass derived musa fiber and industry waste functional filler	Biomass Conversion and Biorefinery	1(1)	2024
3.	S. Swapna Rani, S. Pournima Arun Aram, V. Shanmuganeethi P. Thiruselvan, N. Herald Anantha Rufus	Enhancing Facial Recognition Accuracy in Low Light Conditions Using Convolutional Neural Networks	Journal of Electrical Systems	20(5)	2024
4.	M. Dhana Lakshmi, S. Sakthivel Murugan	Parallel desires: unifying local and semantic feature representations in marine species images for classification	Marine Geophysical Research	45(16)	2024
5.	M. Dhana Lakshmi, S. Sakthivel Murugan	Underwater species classification using deep learning technique	Romanian Journal of Information Technology and Automatic Control	34(2)	2024
6.	Arul Kumaravelu, E. S. M. Suresh	An Evaluative Study on Challenges in Quality Assurance in Fashion Design Courses in India	Educational Administration: Theory and Practice	30(4)	2024
7.	V. Vandhana Devi, R. L. Sundramurthy, V. P. Ali, S. Alarifi, M. Sillanpaa	Batch and continuous adsorptive removal of brilliant green dye using modified jamun seed powder: RSM based optimization	Chemical Engineering Communications	212(1)	2024
8.	K. Iyshwarya Ratthi, B. Yogameena, S. Saravana Perumaal	Human height estimation using AI-assisted computer vision for intelligent video surveillance system	Measurement	236	2024
9.	S. Saravana Perumaal, C. Selva Kumar	Simultaneous allocation and sequencing of orders for robotic mobile fulfillment system using reinforcement learning algorithm	Expert Systems with Applications	239	2024
10.	M. A. Ganesh, S. Saravana Perumaal S. M. Gomathi Sankar	Automated license plate authentication framework using multi-view vehicle images	Journal of Intelligent and Fuzzy Systems	48(5)	2024
11.	K. Iyshwarya Ratthi, B. Yogameena, S. Saravana Perumaal	Human height estimation using AI-assisted computer vision for intelligent video surveillance system	Measurement	236	2024

12.	K. N. Shoba	Microlearning Practices In Blended Educational Contexts: A Qualitative Study	Educational Administration: Theory and Practice	30(4)	2024
13.	K. N. Shoba D. Shereena	The Invading of Territory and Psyche: Contextualizing Solastalgia In Arundhati Roy's <i>The God Of Small Things</i>	Humanities and Social Science Studies	13(1)	2024
14.	T. Subha, P. Jakulin Divya Mary	Integrating Large Language Models into Education: Revolutionising Teaching and Learning	International Journal of Educational Sciences	47(3)	2024
15.	T. Subha	Transformation of AI Tools in Accelerating Students Development	International Journal of Cultural Studies and Social Sciences	20(1)	2024
16.	P. Jakulin Divya Mary	Exploring the Influence of Technological Access on Rural Entrepreneurship Development Leveraging Secondary Data	Humanities And Social Science Studies	13(1)	2024
17.		The Influence of Rural Development Initiatives on Entrepreneurial Growth: A Thorough Examination Utilizing Secondary Data	Rabindra Bharati University Journal of Economics	28(12)	2024
18.		Analyzing the Rural Development Impact of Agritech Startups: A Comprehensive Meta-Analysis	IPE Journal of Management	14(9)	2024
19.		Analysis of the Impact of Healthtech Startups on Rural Healthcare	Bharatiya Shiksha Shodh Patrika	43(1), No.8	2024
20.		Unlocking Economic Growth: In-Depth Analysis of the Impact of New Indian Startups Launched by College Freshers	International Journal of Cultural Studies and Social Sciences	20(1), No.27	2024
21.		Exploring Leadership Archetypes in Indian Literature: Bridging the Gap with Modern Management Theories	Indian Literature	68(341)	2024
22.		The Evolution and Impact of EdTech Startups on Modern Education: A Comprehensive Analysis Using Secondary Data	International Journal of Cultural Studies and Social Sciences	20(1), No.58	2024
23.	Vinod Kumar Adigopula	Pavement surface condition assessment: a-state-of-the-art	Innovative Infrastructure Solutions	9(470)	2024

		research review and future perspective			
24.	Yang, Lung-Jieh, Wei-Cheng Wang, Chandrashekhar Tasupalli, E. Balasubramanian, Mahammed Inthiyaz Shaik	Sensors on Flapping Wings (SOFWs) Using Complementary Metal-Oxide-Semiconductor (CMOS) MEMS Technology	Journal of Eng	6(1)	2025
25.	G. Sridhar, E. Balasubramanian, B. T. N. Sridhar	Flow Analysis of Transverse Injection in Typical Strut-Based Scramjet Combustor	Journal of Technical and Vocational Education	16(1)	2025
26.	M. Valliammai, J. Mohanraj, E. Balasubramanian, L.J. Yang, C. C. Wang, A. Bakiya	High Sensitive Nanomaterial Coated Side Polished Fiber Sensor for Detection of Cardiac Troponin I Antibody	IEEE Transactions on NanoBioscience	3(7)	2025
27.	Angel Ida Chellam, P. Malliga, Mathankumar Manoharan, M. Ramkumar	Resnet 152 convolutional adaptive spiral flying sparrow search neural network for image enhancement of video surveillance scene	Signal, Image and Video Processing	19	2025
28.	G. A. Rathy, P. Sivasankar, Aravind Balaji	ML-Based Object Recognition and Object Picking Robot using ROS	Journal of Technical and Vocational Education	26(1)	2025
29.	Annalakshmi Ganesan, S. Sakthivel Murugan	The LETBP feature descriptor based fish species classification using Kepler optimization with Extreme Learning Machine	Romanian Journal of Information Technology and Automatic Control	35(1)	2025
30.	M. Vimal Raj, S. Sakthivel Murugan, Muthumeenakshi Kailasam, B. Sandhya, G. Sree Harine	Position and Velocity Analysis of Open and Closed loop system using various Controllers in Underwater ROV - ORCA for Stabilized Navigation	Journal of Technical and Vocational Education	26(1)	2025
31.	T. Kalai Selvi, S. Sasirekha	Analysis of Bigdata Representation and Storage Performance in a Smart Healthcare Environment	Journal of Information Systems Engineering and Management	10(15)	2025
32.	C. Nagavani, B. Yogameena	FAQIVS: Face Query-based Interactive Video Synopsis	Automatika, Journal for Control, Measurement, Electronics,	66(2)	2025

			Computing and, Communications		
33.	K. N. Shoba, T. Diana Joslin	The Impact of Language Diversity on Technical Education in the Andamans: Challenges and Strategies in the NEP 2020 Context	Journal of Technical and Vocational Education	26(1)	2025
34.	I. M. Thaya, S. Sasirekha, N. Arun, G. Kanyalakshmi	An XAI Driven Support System to Enhance the Detection and Diagnosis of Liver Tumour for Interventional Radiologist	Journal of Information Systems Engineering and Management	10(11)	2025

#### 6.4. PAPERS PRESENTED IN NATIONAL/ INTERNATIONAL CONFERENCES

NITTTR Chennai faculty members actively present research papers at both national and international conferences, facilitating the exchange of knowledge and expertise. These presentations enhance academic networking and highlight the institute's role in advancing technical education and research.



Table 15. Papers presented in national/ international conferences

S. No.	Author(s) Name	Paper Title	Name of the Conference	Organiser	Date
<b>INTERNATIONAL CONFERENCES</b>					
1.	Usha Natesan, G. Selvakumar	Enhancing TVET Curricula to Meet Emerging Industry Demands: An Indian Perspective	Academia - Industry collaboration for Innovation in TVET Education	Council for Technical Education and Vocational Training and Colombo Plan Staff College	18.01.2025
2.	P. Malliga, K. S. A. Dinesh Kumar, G. Janardhanan, V. Shanmuganeethi, S. Arivalagan	Comparative Analysis of Traditional Instruction and POGIL: A Student-Centered Learning Approach in Civil Engineering	ASEE Annual Conference and Exposition	American Society for Engineering Education (ASEE)	01.06.2024
3.	G. A. Rathy, P. Sivasankar, C. R. Nagendra Rao	Developing Laboratory Instructions: Procedures Vs Competencies	Recent Challenges In Engineering and Technology	IFERP	27.09.2024 - 28.09.2024
4.	S. Subathra devi, S. Renukadevi	Technological Wellbeing of students: An Integrative Review	Mental Healthcare in India: Basics and Beyond	Indian Mental Health and Research Centre and Shia P.G. College, Lucknow	06.10.2024

5.	S. Subathra devi, S. Renukadevi	Teacher perspective on Student Well-being: A mixed method research	Innovations for a Sustainable Well-Being: Empowering Today's Youth	BS Abdur Rahman Crescent Institute of Science and Technology	13.02.2025
6.	Radha Unnikrishnan, E. S. M. Suresh	A review on soil piping in Kerala and the importance of using coir for enhancing the piping resistance of soils	Innovative practices in Sustainable Engineering and Technology	MBITS Engineering College	29.07.2024 - 31.07.2024
7.	Ashwath Sivakumar, E. S. M. Suresh, Twinkle Melina Johnsi Rani Vincent	Bridging data visualization for urban stormwater management - A review	Innovative practices in Sustainable Engineering and Technology	MBITS Engineering College	29.07.2024 - 31.07.2024
8.	Dilip Kumar Palanivelu, E. S. M. Suresh, K. R. Dheepan	Estimation of Soil Shear Strength Parameters using Artificial Neural Networks	Innovative practices in Sustainable Engineering and Technology	MBITS Engineering College	29.07.2024 - 31.07.2024
9.	Radha Unni Krishnan, E. S. M. Suresh	Mapping of Vulnerability Assessment using GIS - A Case study of Wayanad Landslide 2024	Civil Engineering Innovative Development in Engineering Advances	SRM Institute of Science and Technology	20.03.2025 - 22.03.2025
10.	Abhilash Mathew, K. Koushik, Aravind Parthasarathy V. Vandhana Devi	Impact of Municipal Solid Waste Leachate on groundwater quality in Chennai	International Sustainable Environment and Civil Engineering	Easwari Engineering College	27.03.2025
11.	Abhilash Mathew, K. Koushik, Aravind Parthasarathy V. Vandhana Devi, R. L. Lija	Sustainable Concrete Technology: A Comparative Study of Self-Curing and Traditional Concrete Mixes	Sustainable Environment and Civil Engineering	Easwari Engineering College	27.03.2025
12.	Padmashree, V. Vandhana Devi, D. John, Vedhanayagi	Enhancing Thermal Performance and Sustainability of Geopolymer Concrete with Phase Change Materials: A Pathway to Energy-	Sustainable Environment and Civil Engineering	Easwari Engineering College	28.03.2025

		Efficient Infrastructure			
13.	K. Iyshwarya Ratthi, B. Yogameena, M. Swathi, A. Harini, P. Shanmuga Priya, S. Saravana Perumaal	Attire in Attention: Enhancing CCTV Surveillance with Cloth-Based Image Retrieval	Computer Vision and Image Processing	IIITDM, Kancheepuram	19.12.2024 - 21.12.2024
14.	K. N. Shoba, D. Shereena	Agentic Eco-Connections: Representations of Eco-cultural Trends in Anuradha Roy's The Folded Earth	Contemporary Perspectives in English Language, Literature, and Cultural Studies	Chandigarh University	13.09.2024 - 14.09.2024
15.	K. N. Shoba, D. Shereena	Water-Bo(u)rn Identities: Reading Select Poems of Meena Kandasamy's 'Ms Militancy' through the Hydro-Feminist Lens	The Future of English Literature and Language Teaching	MMES Arts and Science College	27.01.2025
16.	V. K. G. Kalaiselvi, T. Subha, R. Ranjana, A. A. Hemalatha	RespiroPure: Advancing Air Quality Management Through Intelligent and Automated Purification Systems	Computing and Communication Technologies IEEE Conference	Sri Sairam Engineering College	16.04.2025
17.	V.K.G. Kalaiselvi, C. Theerej, T. S. Subha, Yokeshwaran	Enhancing Cryptography Using Regression And Feature Selection	Communication, Computing and Internet of Things IEEE Conference	Sri Sairam Engineering College	17.04.2024
18.	M. Vimal Raj, S. Sakthivel Murugan, S. Nisha Nethraa, M. Pranav	Feature Extraction and Classification on Underwater Blurred Images	Recent Trends in Engineering and Technology	Mount Zion College of Engineering and Technology, Pudukkottai	24.04.2024
19.	Vinod Kumar Adigopula	Laboratory Investigation of Composite Modifications on Asphalt Binder with Rice Husk Ash and Low Density Poly-Ethylene	Advances in Materials, Modelling, and Analysis for Sustainable and Resilient Infrastructure	Amrita Vishwa Vidyapeetham, Coimbatore and National Institute of Technology, Tiruchirappalli	09.01.2025 - 11.01.2025

20.	R. Sathya Priya, K. Muthumeen akshi, S. Sakthivel Murugan	Enhancing Underwater Image Classification with Object-GCN and Semantic Correlation on Custom Datasets	AI for the Oceans	Marine Technology Society India Section and Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology	16.04.2025
<b>NATIONAL CONFERENCES</b>					
21.	Sabareesan Srinivasan, S. Sakthivel Murugan, K. Muthumeena kshi	Colour Correction And Contrast Enhancement Of Underwater Coral Reef Image	Ocean Society of India (OSICON-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025
22.	R. Sathya Priya, K. Muthumeena kshi, S. Sakthivel Murugan	Mitigating The Impact Of Dataset Imbalance In Multilabel Classification Of Underwater Images Using Bilayer Graph Convolution Learning	Ninth National Conference of Ocean Society of India (OSICON-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025
23.	S. Karun Pias Aro, S. Vishaal, S. Sakthivel Murugan	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-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025
24.	R. P. Parvath Balaji, M. Vimal Raj, S. Sakthivel Murugan	Design And Five Dof Functional Analysis In Orca Rov	Ninth National Conference of Ocean Society of India (OSICON-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025
25.	J. Johann Sylvester, T. S. Karthayani, S. Sakthivel Murugan, K. Muthumeen akshi	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-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025
26.	S. S. Indhra, J. Gowshika, S. Sakthivel Murugan, K.	Optimizing Underwater Point Cloud Generation Using Slam	Ninth National Conference of Ocean Society of India (OSICON-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025

	Muthumeen akshi	Techniques For Ocean Floor Mapping			
27.	Divya Jha, Fadhil Syed Kader, S. Sakthivel Murugan, K. Muthumeen akshi	Intelligent Slam-Based Autonomous Navigation System For ROVs In Confined Underwater Environments	Ninth National Conference of Ocean Society of India (OSICON-25)	CSIR-National Institute of Oceanography, Dona Paula, Goa	05.02.2025 - 07.02.2025

### 6.5. PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

Faculty at NITTTR Chennai consistently publish research papers in national and international conference proceedings, showcasing innovative work and thought leadership. These publications contribute to the advancement of technical education and highlight the institute's ongoing commitment to academic excellence and scholarly dissemination.



Table 16. Papers Published in Conference Proceedings

S. No.	Author(s) Name	Title	Proceedings	Vol./ ISBN
1.	P. Malliga, K. S. A. Dinesh Kumar, G. Janardhanan, V. Shanmuganeethi, S. Arivalagan.	Comparative Analysis of Traditional Instruction and POGIL: A Student-Centered Learning Approach in Civil Engineering	2024 ASEE Annual Conference and Exposition	2024
2.	Manoj Kumar Sahu, Umashanker Sahu	Use of Artificial Intelligence in Defence Applications (Hindi)	Unmesh-2025 DRDO Proceeding part 1	DRDO proceeding part 1- P.300-306
3.	S. Subathradevi, S. Renukadevi	Technological Wellbeing of students: An Integrative Review	6 <sup>th</sup> International Conference on "Mental Healthcare in India: Basics and Beyond"	978-81-946250-7-0
4.	S. Subathradevi, S. Renukadevi	Teacher perspective on Student Well-being: A mixed method research	International Conference on "Innovations for a Sustainable Well-Being: Empowering Today's Youth"	9788198288165
5.	K. N. Shoba, K. Poornima Varalakshmi	Researching the ESL Classroom: Promoting Critical Thinking and Speaking Skills Through Role-Plays - A Study Among Tertiary Level Learners in the STEM Context Through Action Research	Intelligent Computing and Control for Engineering and Business Systems	10.1109/ICCEBS5860.1.2023.10449204

6.	A. Jegan Bharath Kumar, J. S. Lekshmi, Vinod Kumar Adigopula	Understanding Weather Impact on Traffic Flow Characteristics - A Case Study in Thiruvananthapuram	Infrastructure Development, Sustainability, Resilience and Transformational Adaptation	ICID 2024 - Book of Abstracts
7.	M. Valliammai, J. Mohanraj, E. Balasubramanian, J. Yang, C. C. Wang and R. Rishav	Numerical Investigation on Microfluidic Integrated Side Polished Fiber to Detect Biological Analytes	International Conference on Numerical Simulation of Optoelectronic Devices	2024, pp. 31-32
8.	S.Sridevi, N.Devabathini, S. S. Hameed, G. Surendar, E. Balasubramanian, J. S. Choi,	Seagrass Species Recognition using Generalized Transfer Learning Resnet CNN Synergized with Support Vector Machine	IEEE International Conference on Electronic Systems and Intelligent Computing (ICESIC)	2024, November, pp. 296-300
9.	Ashraf Mahmud, E. Balasubramanian, Sajal Chandra Banik, Ashrafun Nahin	Computational Modelling and Optimization of a Flapping Mechanism Based on the Scotch Yoke Principle	SAE Technical Paper	2024-01-2264

### 6.6. PATENTS GRANTED

During 2024-2025, NITTTR Chennai achieved significant milestones in innovation through the granting of patents to its faculty members. These patents, reflect the institute's strong research culture, focus on applied solutions, and commitment to addressing emerging technological challenges.



Table 17. Patents granted

S. No.	Faculty Name	Title	Registration No.	Granted Date
1.	E. Balasubramanian	Amphibian Unmanned Aerial Vehicle for Multi-terrain applications	535827	20.04.2024
2.	T. Subha, P. Jakulin Divya Mary	Compact Foldable Car Seat for Babies	419412-001	14.08.2024
3.	T. Subha	Voice and Speech Recognition in Tamil Language	524937	14.03.2024
4.	R. Suja Mani Malar	IOT Based Weather Forecasting Device	432642-001	3.10.2024
5.	B. Yogameena	A Device to filter Air Pollutants	557980	15.01.2025
6.	B. Yogameena	Spice Guide - A Voice Assisted Spice Identifier for Visually Impaired	563410	24.03.2025

### 6.7. NABL / NBA / NAAC VISIT BY FACULTY

NITTTR Chennai faculty actively participate in accreditation and assessment processes conducted by renowned bodies such as NABL, NBA, and NAAC. These visits-whether for onsite assessments, inspections, or peer reviews-serve to enhance quality assurance, curricular standards, and institutional benchmarking in technical



education. Faculty engagement in such accreditation exercises strengthens compliance with national quality frameworks and promotes continuous improvement in academic and administrative practices.

Table 18. NABL/NBA/NAAC visit by Faculty Members

S. No.	NABL /NBA/ NAAC	Name of the Institution/ Laboratory	Date of Visit	Chairman/ Expert Member	Faculty Name
1.	NABL	Venus Testing and Research Laboratory, Raigarh - Renewal	12.04.2024 - 13.04.2024	Expert Member	Dr. G. Janardhanan
2.	NABL	Sea India Engineering Company Testing Lab - Onsite Surveillance Jammu	20.04.2024 - 21.04.2024	Expert Member	Dr. G. Janardhanan
3.	NABL	Centre For Development Of Stones, Jaipur -Renewal	27.04.2024 - 28.04.2024	Expert Member	Dr. G. Janardhanan
4.	NABL	PDS Geotech Private Limited, Testing Lab Onsite Worli, Mumbai	08.06.2024 - 09.06.2024	Expert Member	Dr. G. Janardhanan
5.	NABL	UV Global Geo Solutions Private Limited, New Delhi-Renewal	22.06.2024 - 23.06.2024	Expert Member	Dr. G. Janardhanan
6.	NABL	Guddu Engineering Consultancy Services, Ambala - Renewal	29.06.2024 - 30.06.2024	Expert Member	Dr. G. Janardhanan
7.	NABL	Manglam Consultancy Services Ahmedabad - Renewal	06.07.2024 - 07.07.2024	Expert Member	Dr. G. Janardhanan
8.	NABL	Universal Test House, Patna Renewal	13.07.2024 - 14.07.2024	Expert Member	Dr. G. Janardhanan
9.	NABL	Aqua Lab All Building Material Testing Private Limited, Mumbai Renewal	19.07.2024 - 20.07.2024	Expert Member	Dr. G. Janardhanan
10.	NABL	ADS Labtech Ghaziabad Renewal	03.08.2024	Expert Member	Dr. G. Janardhanan
11.	NABL	Construction Excellence Testing And Research Services Pune - First Accreditation	24.08.2024 - 25.08.2024	Expert Member	Dr. G. Janardhanan
12.	NABL	AECS Engineering And Geotechnical Services Private Limited, Noida Renewal	28.09.2024 - 29.09.2024	Expert Member	Dr. G. Janardhanan
13.	NABL	Ace Test House Private Limited New Delhi Renewal	05.10.2024 - 06.10.2024	Expert Member	Dr. G. Janardhanan
14.	NABL	Coastal Marine Construction And Engineering Limited, Geo Lab, Mumbai - Renewal	19.10.2024 - 20.10.2024	Expert Member	Dr. G. Janardhanan
15.	NABL	Rajlaxmi Test House Private Limited Ranchi- Renewal	02.11.2024 - 03.11.2024	Expert Member	Dr. G. Janardhanan
16.	NABL	Strength Technoclinic Private Limited, Hyderabad- Renewal	10.11.2024	Expert Member	Dr. G. Janardhanan
17.	NABL	Sri Sai Consultancy And Laboratory, Hyderabad-Renewal	16.12.2024 - 17.12.2024	Expert Member	Dr. G. Janardhanan
18.	NABL	SKW Soil And Surveys Private Limited Onsite Surveillance Navi Mumbai	18.01.2025	Expert Member	Dr. G. Janardhanan

19.	NABL	Dipansa Mining Private Limited Onsite Surveillance, Kharagpur	08.02.2025 - 09.02.2025	Expert Member	Dr. Janardhanan G.
20.	NABL	Voyager (Testing Laboratory) Onsite Surveillance, Kolkata	01.03.2025 - 02.03.2025	Expert Member	Dr. Janardhanan G.
21.	NABL	Ramkrishna Testing Laboratory and Consultancy, Agartala Renewal	03.03.2025	Expert Member	Dr. Janardhanan G.
22.	NABL	Civil Tech India Pvt. Ltd. Nashik, Renewal	08.03.2025 - 09.03.2025	Expert Member	Dr. Janardhanan G.
23.	NBA	Maharaja Institute of Technology Thandavapura, Mysuru	03.05.2024 - 05.05.2024	Expert Member	Dr. Janardhanan G.
24.	NBA	National Institute of Technology Patna (Formerly Known As Bihar College of Engineering), Asok Raj Path, Patna	13.09.2024 - 15.09.2024	Expert Member	Dr. Janardhanan G.
25.	NBA	College of Engineering, Trivandrum	25.10.2024 - 27.10.2024	Expert Member	Dr. Janardhanan G.
26.	NBA	COEP Technological University, COEP, Shivajinagar, Maharashtra	14.02.2025 - 16.02.2025	Expert Member	Dr. Janardhanan G.
27.	NBA	Don Bosco Institute Of Technology	21.03.2025	Expert Member	Dr. Janardhanan G.
28.	NBA	Jain Deemed to be University, Bengaluru	22.03.2025	Expert Member	Dr. Janardhanan G.
29.	NBA	Reva University, Bengaluru	23.03.2025	Expert Member	Dr. Janardhanan G.
30.	NAAC	Guru Ghasidass Vidyalaya- Central University, Bilaspur	15.04.2024 - 17.04.2024	Member	Dr. E. S. M. Suresh
31.	NBA	Budda Institute of Technology, UP	10.05.2024 - 12.05.2024	Chairman	Dr. E. S. M. Suresh
32.	NAAC	Netaji Subhas Institute of Technology	27.05.2024 - 28.05.2024	Chairman	Dr. E. S. M. Suresh
33.	NBA	Geethanjali Institute of Science And Technology	09.08.2024 - 11.08.2024	Chairman	Dr. E. S. M. Suresh
34.	NBA	Govt Polytechnic, Solapur, Maharashtra	27.09.2024 - 29.09.2024	Chairman	Dr. E. S. M. Suresh
35.	NAAC	Christu Jyothi Institute Of Technology And Science	05.12.2024 - 06.12.2024	Chairman	Dr. E. S. M. Suresh
36.	NBA	Vignan's Nirula Institute Of Technology and Science For Women, Guntur, AP	07.02.2025 - 09.02.2025	Chairman	Dr. E. S. M. Suresh
37.	NBA	Trinity College Of Engineering And Technology, Telangana	21.03.2025 - 23.03.2025	Chairman	Dr. E. S. M. Suresh

## 6.8 PARTICIPATION OF FACULTY MEMBERS IN NATIONAL/ INTERNATIONAL EVENTS

Faculty members at NITTTR Chennai actively engage in national and international conferences, seminars, and workshops, enhancing institutional visibility and fostering academic collaboration. Their participation in these prestigious events contributes to professional development and knowledge exchange, strengthening the institute's reputation and impact.



Table 19. Participation in events by Faculty Members

S. No.	Faculty Name	Role	Name of the Programme	Venue/ Organised by	Date
1.	Dr. E. S. M. Suresh	Participant	Regional Consultative Workshop for Higher Educational Institutions conduct by NAAC	IISC Bangalore	16.07.2024
2.	Dr. G. Janardhanan	Participant	Regional Consultative Workshop for Higher Educational Institutions conduct by NAAC	IISC Bangalore	16.07.2024
3.	Dr. P. Malliga	Speaker	Artificial Intelligence and SDG9: Powering Sustainable Development, highlighting the role of AI in driving sustainable infrastructure and innovation	Manak Mahotsav (World Standards Day) by the Bureau of Indian Standards	05.10.2024
4.	Dr. E. Balasubramanian	Participant	APACC International Accreditors' Refresher Training by CPSC, Philippines	online	20.05.2024 - 24.05.2024
		Guest Speaker	ATAL FDP titled "Applications of Aerial Vehicles"	Sri Eshwar College of Engineering, Coimbatore	05.09.2024
5.	Dr. S. Sakthivel Murugan	Jury	BIS Med Hackathon	VIT Chennai	11.03.2025
		Resource person	Faculty Development Programme (FDP) on "AI/ML and IOT applications to multi-domain engineering fields - Hands on sessions" held at VIT	Vellore	19.03.2025
		Speaker	Green Revolution in Electronics Engineering and Networks Conference (GREENCON 2025)	VIT Chennai	20.03.2025
		Examiner	PhD Viva Voce	SRM University, Kattankulathur	03.02.2025
		Delegate	9th National Conference of Ocean Society of India - OSICON 2025	CSIR - National Institute of Oceanography, Goa	05.02.2025 - 07.02.2025
		Expert Member - Technical Evaluation Committee	Underwater Navigation Call for Proposals	IIT Tirupati Navavishkar I-Hub Foundation (IITNiF), Indian Institute of	17.02.2025 - 18.02.2025

				Technology, Tirupati	
		Participant	International Seminar on “Empowering TVET with future skills and emerging technologies in 21st Century”		13.11.2024
		Participant	Regional Programme on “Empowering TVET: A regional Initiative on Future Skills and emerging Technologies”		11.11.2024 - 15.11.2024
		Presenter to Delegates	Discussion	National Academy of Marine Research (NAMR), Taiwan	22.11.2024
		Principal Investigator	Review Of Collaborative Research Projects Under Deep Ocean Mission for the project Automated Identification and Characterization of Underwater Images in Deep Ocean	National Institute of Ocean Technology	29.11.2024
6.	Dr. G. Selvakumar	Participant	Collaborative Regional Programme on ‘Industry-Institute Linkages in TVET’, cum International Conference	Hotel Manang, Kathmandu, Nepal	15.01.2025 - 19.01.2025
7.	Dr. P. Selvi Rajendran	Guest speaker	Talk on “Transforming Software Development with AI-Powered Language Models”	Universiti Putra Malaysia (UPM), Malaysia	09.04.2025
		Guest speaker	Talk on “The Role of Artificial Intelligence in the Media Industry”	University of Malaya	08.04.2025
8.	Dr. M. Senthil Kumar	Participant	3 <sup>rd</sup> International Conference on Higher Education Institute’s Challenges and Solutions for Sustainable Development Goals 2024 (Green Energy Innovations For Sustainable Development)	SRMIST Chennai	03.12.2024 - 05.12.2024
9.	Dr. V. Vandhana Devi	Keynote Speaker	6 <sup>th</sup> International Conference on Sustainable Environment and Civil Engineering	Easwari Engineering College, Chennai	27.03.2025

		Chief Guest and Resource person	National Conference of New Age Skills	Madras Institute of Technology, Chennai	01.03.2025
		Chief Guest and Resource Person	Hands-on Training Workshop	The Pedagogy Cell, SRM University, Chennai	28.02.2025
10.	Dr. K. N. Shoba	Resource Person	Enriching Teaching and Research Experience	VIT Vellore	01.04.2024
		Resource Person	AI for Literature Review	JIIT Noida (Online)	05.04.2024
		Member	Board of Studies Meeting for the First Year 'P' Scheme Syllabus	Murugappa Polytechnic College, Chennai,	29.06.2024
		Resource Person	One-day webinar on NEP 2020, a Catalyst for Personal and Professional Growth	Mahendra Engineering College (Autonomous), Namakkal	29.07.2024
		Member	Board of Studies Meeting	Department of Science and Humanities - Loyola ICAM College of Engineering and Technology (Autonomous)	25.10.2024
		Editorial Member	Indian Journal of Language and Linguistics (ISSN 2582-9726)		
		Keynote Speaker	National English Day	Vel Tech Multi Tech Dr. Rangarajan Dr. Sankunthala Engineering College, Chennai	28.10.2024
		Participant	Nurturing Future Leadership Programme	IIM Bodh Gaya	06.01.2025 - 10.01.2025
		Resource Person	AI in Education	Loyola College, Chennai	14.03.2025
11.	Dr. R. Suja Mani Malar	Expert Member		Loyola ICAM College of Engineering and Technology	08.01.2025
		Guest Lecturer	Outcome based education for Engineering	Najiah Lingammal Polytechnic College Mettupalayam	29.01.2025

		Indian Examiner	Ph.D. Viva voce Examination	MIT Chennai	16.01.2025
		Anna University nominee	BOS Meeting for EEE department	DMICE Chennai	19.12.2024
		External Examiner	Project Viva Voce examination	ANNA University Chennai	11.12.2024
		Expert member	Recruitment of Project Assistant for CMRG Project	Anna University	02.12.2024
		Guest Lecturer	Outcome-Based Teaching Learning Process	VIT Vellore	24.08.2024
		Guest Lecturer	Control systems	RMK Engineering College	14.08.2024
		Guest Lecturer	Advancements in Artificial Intelligence for Engineering Applications	SRM University	01.08.2024
		Examiner	Ph.D. Viva Voce examination	MIT Chennai	26.07.2024
		Guest Lecturer	Outcome-Based Education and Pedagogy	MIT Chennai	03.06.2024
		External Examiner	UG Project Work	MIT Chennai	15.06.2024
		Anna University Nominee	BOS Meeting of EEE Department	DMICE Chennai	06.05.2024
		Subject Expert	Ph.D. viva voce examination	Easwari Engineering College	04.06.2024 - 07.06.2024
		Participant	Practice on Universal Electronics Kit	IITM	04.06.2024 - 07.06.2024
12.	Dr. P. Sivasankar	Participant	Practice on Universal Electronics Kit	IITM	08.07.2024 - 12.07.2024
13.	Dr. P. Jakulin Divya Mary	Participant	CPSC-NAVTTTC Pakistan Collaborative Regional Programme on "Empowering Workforce and Gender Inclusivity: Navigating the TVET Landscape through Digitalization and Green Practices"	Islamabad, Pakistan	26.03.2025 - 28.03.2025
14.	Dr. Seshu Babu Pulagara	Screening Committee Member	Screening applications for the post of Technician	CLRI Chennai	13.05.2024 - 28.06.2024

		Participant	Training Programme on Cyber Security - Online	Karmayogi Bharat, DoPT	29.05.2024 - 18.06.2024
			Industrial Training Programme on Communication and Networking Technologies	Rajiv Gandhi Memorial Telecom Training Centre BSNL Chennai	22.01.2025
15.	Dr. M. Sutaarson	Participant	Capacity Building on SLD cycle 2 with Office of student life or campus life affairs	NIEPA New Delhi	16.07.2024

## 7. ACHIEVEMENTS OF STUDENTS

Mr. Mohanraj Panchanathan, I year ME Student, Department of Civil and Environmental Engineering has been selected for a Scholarship for the Summer School 2024 (22nd July 2024 - 02nd August 2024) on “Regenerative Urban Futures - Circular Economics and Societies” in the Indo-German Centre for Sustainability programme funded by DAAD, sponsored by BMBF through DAAD, RWTH Aachen University (Stipend 340 Euro). Shri G. Gunabalan, I Year Student of M.E. (Infrastructure Engineering and Management) got selected for the Summer Internship 2024 in TIFAC, New Delhi from 10<sup>th</sup> July to 10<sup>th</sup> September 2024.



## 8. CURRICULUM DEVELOPMENT

The Department of Curriculum Development, Planning, and Coordination was established in 1970 at the institute. Its primary objective is to continually revise existing curricula and develop new ones for polytechnic programs, aligning them with the dynamic technical human resource demands of India's growing economy. To achieve this, the institute has devised a comprehensive curriculum development model.



The institute prioritizes the relevance and appropriateness of the curricula, and this is achieved through the active involvement of various stakeholders. Polytechnic teachers, industrial representatives, faculty from higher learning institutions, and officials from the Directorates of Technical Education participate in all stages of curriculum development. In the year 2024-2025, a series of comprehensive curriculum revisions and new curriculum developed were undertaken. These efforts were driven by a commitment to enhancing the quality of education and ensuring that our programs are aligned with the latest industry standards and educational best practices. The following initiatives represent the department's proactive approach to continuously evolving and refining our academic offerings to better serve professional community.

Table 20. List of Curriculum Revisions carried out

S. No.	Name of the Programme
1.	Curriculum Vetting for SBTET, Telangana - Diploma in Architectural Assistantship
2.	Curriculum Vetting for SBTET, Telangana - Diploma in Automobile Engineering
3.	Curriculum Vetting for SBTET, Telangana - Diploma in Chemical Engineering
4.	Curriculum Vetting for SBTET, Telangana - Diploma in Civil Engineering
5.	Curriculum Vetting for SBTET, Telangana - Diploma in Leather Goods and Footwear Technology

6.	Curriculum Vetting for SBTET, Telangana - Diploma in Home Science
7.	Curriculum Vetting for SBTET, Telangana - Diploma in Leather and Fashion Technology
8.	Curriculum Vetting for SBTET, Telangana - Diploma in Mechanical Engineering
9.	Curriculum Vetting for SBTET, Telangana - Diploma in Metallurgical Engineering
10.	Curriculum Vetting for SBTET, Telangana - Diploma in Mining Engineering
11.	Curriculum Vetting for SBTET, Telangana - Diploma in Packaging Technology
12.	Curriculum Vetting for SBTET, Telangana - Diploma in Printing Technology
13.	Curriculum Vetting for SBTET, Telangana - Diploma in Textile Technology
14.	Curriculum Vetting for SBTET, Telangana - Diploma in Electronics and Communication Engineering
15.	Curriculum Vetting for SBTET, Telangana - Diploma in Electrical and Electronics Engineering
16.	Curriculum Vetting for SBTET, Telangana - Diploma in Electronics and Instrumentation
17.	Curriculum Vetting for SBTET, Telangana - Diploma in Biomedical Engineering
18.	Curriculum Vetting for SBTET, Telangana - Diploma in Electronics and Video Engineering
19.	Curriculum Vetting for SBTET, Telangana - Diploma in Embedded Systems Engineering
20.	Curriculum Vetting for SBTET, Telangana - Diploma in Computer Engineering
21.	Curriculum Vetting for SBTET, Telangana - Diploma in Artificial Intelligence and Machine Learning
22.	Curriculum Vetting for SBTET, Telangana - Diploma in Cloud Computing and Big Data
23.	Curriculum Vetting for SBTET, Telangana - Diploma in Cyber Physical Systems and Security
24.	Curriculum Vetting for SBTET, Telangana - Diploma in Commercial and Computer Practice
25.	Curriculum Revision for DTE, Karnataka - Electrical and Electronics Engineering, Alternate Energy Technologies, Electronics and Communication Engineering, Mechatronics, Electronics Instrumentation and Control Engineering
26.	Curriculum Revision for DTE, Karnataka - Civil Engineering, Civil Environmental Engineering and Civil (Public Health and Environmental Engineering), Architecture Assistance-ship, Interior Decoration, Aeronautical Engineering, Mining and Mine Surveying, Commercial Practice, Apparel Design and Fabrication Technology, Library and Information Science, Communication Skill in English and Engineering Maths I and II
27.	Curriculum Revision for DTE, Karnataka - Mechanical Engineering and Allied Branches, Automobile Engineering, Metallurgy, Travel and Tourism, Polymer Technology, Commercial Practice
28.	Curriculum Revision for DTE, Karnataka - Computer Science and Engineering and allied Branches, Textile Technology, Chemical Engineering, Food Processing and Preservation, Leather and Fashion technology, Ceramic Technology
29.	Curriculum Revision for DTE, Karnataka - Architecture and Interior Decoration, Printing Technology, Mining and Mine Surveying, Library and Information Science

Table 21. List of Curriculum developed

S. No.	Name of the Programme	Department
1.	M.Tech. in Artificial Intelligence and Machine Learning	Computer Science and Engineering
2.	M.Tech. in Augmented and Virtual Reality	Educational Media and Technology
3.	M.Tech. in Engineering Education	Education
4.	M.Tech. in Infrastructure Engineering and Management	Civil Engineering

5.	M.Tech. in Mechatronics	Mechanical Engineering
6.	M.Tech. in Power Electronics and Drives	Electrical and Electronics Engineering
7.	M.Tech. in VLSI Design and Embedded Systems	Electronics and Communication Engineering
8.	M.B.A. in Business Analytics	Rural and Entrepreneurship Development

### 9. INSTRUCTIONAL MATERIALS DEVELOPMENT

During the academic year 2024-2025, the institute undertook a significant initiative to update course materials in various engineering subjects. The updated materials encompassed a wide range of engineering subjects, ensuring that the content remains relevant, current, and aligned with the latest developments in the respective fields.



Moreover, the institute also focused on improving the pedagogy within these course materials. The teaching methods and instructional strategies were carefully reviewed and updated to enhance the effectiveness of the content delivery by teachers in technical institutions. By doing so, the institute aimed to support and equip teachers with the necessary tools and resources to impart quality education to their students. The initiative reflects the institute's commitment to continuous improvement and innovation in technical education. By updating and refining course materials and pedagogy, the institute ensures that the knowledge and skills imparted to students align with industry demands and contribute to the overall growth and development of the technical workforce.

### 10. INSTRUCTIONAL MEDIA DEVELOPMENT

The institute has developed, over the years excellent facilities for the production of educational video programmes in the technical education and teacher training. During this year, videos for 40 hours MOOC, 20 hours MOOC and 30 minutes videos were produced for short-courses, SWAYAM, ARPIT and MOOC-based courses by the faculty on various topics listed in the courses listed under SWAYAM.



Over the years, the institute has made remarkable strides in establishing excellent facilities for the production of educational video programs in the field of technical education and teacher training. These facilities enable the creation of high-quality and impactful video content that enhances the learning experience for students and educators alike. During the reported year, the institute displayed its commitment to leveraging technology for education by producing a significant number of educational videos, learning resources, enriching the educational content provided to learners through different online platforms. The educational videos produced contribute to creating engaging and effective learning experiences for learners, thus fostering a culture of continuous learning and professional development.

### 11. RESEARCH AND CONSULTANCY PROJECTS

NITTTR Chennai undertakes diverse research and consultancy projects aimed at enhancing the quality of technical education and addressing industry and societal needs. These projects encompass innovative research, curriculum development, technology-enabled learning, and skill development initiatives. Faculty members collaborate with various stakeholders, including government agencies and industries, to provide expert consultancy services that contribute to technical education policy, training



programmes, and capacity building. The institute's research efforts also support doctoral studies and foster international cooperation in technical education development.

Table 22. Particulars of Research Projects

S. No.	Project Title	Sponsoring Agency	Duration	Name of PI/ Co- PI	Status	Amount (₹ in Lakhs)
1.	Automated Identification and Characterization of Underwater Images in deep ocean	Ministry of Earth Science	2024 - 2026	Dr. S. Sakthivel Murugan	Ongoing	48.16
2.	Dexterous Robot Arm Manipulator for subsea Applications	Ministry of Earth Science	2025 - 2027	Dr. S. Sakthivel Murugan	Accepted	59.87
3.	Devising Point-of-care Diagnostic Microchip Biosensor for Early Diagnosis of Cardiovascular Disease	DST - GITA, Indo-Taiwan	2022 - 2025	Dr. E. Balasubramanian	Co-PI, Ongoing	41.23
4.	UAV Based In-situ Measurements and Hyper spectral Analysis for Water Quality: Mapping and Developing Remediation Strategies	DST- SERB - EQUITY	2022 - 2026	Dr. E. Balasubramanian	PI, Ongoing	42.54
5.	Fabrication of Solid Propellant using Slurry-based 3D Printing and Experimental Investigation on Minimizing Curing Time using various Heat sources	DRDO - ARMREB - HEM	2024 - 2026	Dr. E. Balasubramanian	PI, Ongoing	42.94

### 11.1 PARTICULARS OF MINISTRY OF EDUCATION PROJECT

The Ministry of Education has launched several innovative projects focused on advancing digital learning across India. These initiatives emphasize inclusive access, leveraging technology to bridge educational divides, and enhancing the quality of education through online platforms, digital content, and multi-modal delivery systems. NITTTR Chennai holds key national projects that reshape online learning in the country.



Table 23. Particulars of MoE Projects

S. No.	Project Title	Sponsoring Agency	Duration	Name of PI	Status	Sanctioned Amount (₹ in Crores)
1.	SWAYAM MOOC	Ministry of Education	July 2024	Director, NITTTR Chennai	Ongoing	2.15
2.	SWAYAM e-Poly		January 2025		Ongoing	2.74

## 12. NATIONAL PROJECTS

### 12.1. SWAYAM

SWAYAM, an ambitious initiative by the Ministry of Education, Government of India, embodies the core principles of the National Education Policy-access, equity, and quality-by making world-class teaching and learning resources freely available to every learner in the country. Designed to democratize education, SWAYAM offers over 2,000 courses across disciplines, catering to learners from school to postgraduate levels, and has reached millions of participants nationwide. A key focus of SWAYAM is bridging the digital divide, ensuring that even the most disadvantaged and remote learners can participate in the digital knowledge economy. The platform features interactive content, video lectures, reading materials, self-assessment tools, and discussion forums, all accessible at no cost.



NITTTR Chennai, recognized as a National Coordinating Institute for Teacher Training under SWAYAM, collaborates with its counterparts in Chandigarh, Bhopal, and Kolkata to develop and deliver high-quality teacher education courses. In the most recent academic year, faculty from NITTTR Chennai alone offered 69 new and re-run courses, attracting an impressive enrolment of approximately 90,985 participants, reflecting the institute's pivotal role in advancing teacher professional development at a national scale.

Table 24. List of SWAYAM Courses offered

S. No.	Semester	Course Title	Coordinator	Number of Enrolments
1.	Jul-24	Student Psychology	Dr. S. Renukadevi	3759
2.	Jul-24	E-content Development	Dr. P. Malliga	2225
3.	Jul-24	English for Research Paper Writing	Dr. K. N. Shoba	4051
4.	Jul-24	Research Methodology and IPR	Dr. G. Janardhanan	2417
5.	Jul-24	Electric Vehicle Technology for Academia	Dr. G. A. Rathy, Dr. Suja Mani Malar	1898
6.	Jul-24	Academic Leadership in Cross Cultural Context of Higher Educational Institutions	Dr. E. S. M. Suresh	2188
7.	Jul-24	Quality Assurance through NAAC Accreditation Process	Dr. E. S. M. Suresh	1082
8.	Jul-24	National Education Policy and Institutional Building	Dr. G. Janardhanan	1653
9.	Jul-24	Mentoring and Counselling Skills for Teachers	Dr. S. Renukadevi	1236
10.	Jul-24	UAV in Engineering Applications (English)	Dr. E. Balasubramanian	1091
11.	Jul-24	Innovation Driven Entrepreneurship	Dr. K. S. Giridharan	528
12.	Jul-24	Teaching and Learning (TL) Practices for Python Programming	Dr. V. Shanmuganeethi	883
13.	Jul-24	Pedagogy for Business Analytics	Dr. P. Jakulin Divya Mary	581
14.	Jul-24	Blue Economy Entrepreneurship	Dr. M. Anil Kumar	610
15.	Jul-24	Design Thinking for Educators	Dr. S. Saravana Perumaal	900

16.	Jul-24	Innovation in Laboratory Instruction - Infrastructure Material Laboratory	Dr. K. S. A. Dinesh Kumar, Dr. G. Janardhanan	177
17.	Jul-24	NBA for MBA	Dr. Umashanker Sahu, Dr. Jakulin Divya Mary	352
18.	Jul-24	Virtual Simulation Tools based Interactive Teaching and Learning Strategy	Dr. G. Kulanthaivel	690
19.	Jul-24	Engineering Mechanics	Dr. G. S. Dwarakish	345
20.	Jul-24	Extended Reality Technologies	Dr. P. Malliga	691
21.	Jul-24	UAV in Engineering Applications (Hindi)	Dr. E. Balasubramanian	227
22.	Jul-24	Education for Sustainable Development	Dr. Akila S. Indurti	1207
23.	Jan-25	Academic Leadership in Cross Cultural Context of Higher Educational Institutions	Dr. E.S.M.Suresh	1,690
24.	Jan-25	Advance Computer Networks	Dr. V. Shanmuganeethi	3,248
25.	Jan-25	Blue Economy Entrepreneurship	Dr. M. Anil Kumar	1,508
26.	Jan-25	Civil Infrastructure for Smart City Development	Dr. K. S. A. Dinesh Kumar, Dr. G. Janardhanan, Dr. E. S. M. Suresh	276
27.	Jan-25	Communication Skills in English	Dr. K. N. Shoba	6,891
28.	Jan-25	Computer System Organisation	Dr. P. Seshu Babu	498
29.	Jan-25	Concrete Technology Laboratory	Dr. K. S. A. Dinesh Kumar	99
30.	Jan-25	Design Thinking for Educators	Dr. S. Saravana Perumaal	823
31.	Jan-25	Design of Steel and RCC structures	Dr. R. Santhakumar	144
32.	Jan-25	Disaster Management	Dr. M. Seenuvasan	4,394
33.	Jan-25	E-Content Development	Dr. P. Malliga	1,492
34.	Jan-25	Education for Sustainable Development	Dr. Akila S. Indurti, Ms. Tanushree Bhat	1,964
35.	Jan-25	Electric Vehicle Technology for Academia	Dr. G. A. Rathy, Dr. R. Suja Mani Malar	1,130
36.	Jan-25	Electrical circuits	Dr. R. Suja Mani Malar	631
37.	Jan-25	Electrical motors and transformers	Dr. G. A. Rathy	510
38.	Jan-25	Energy Conservation and Audit Laboratory	Dr. S. Sakthivel Murugan	127
39.	Jan-25	Engineering Graphics	Dr. G. Selvakumar	213
40.	Jan-25	English for Research Paper Writing	Dr. K. N. Shoba	3,042
41.	Jan-25	Enterprise Risk Management	Dr. M. Anil Kumar	259
42.	Jan-25	Entrepreneurship and Start-ups	Dr. P. Jakulin Divya Mary	864

43.	Jan-25	Environmental Engineering	Dr. G. Janardhanan Dr. M. Anil Kumar	321
44.	Jan-25	Extended Reality Technologies	Dr. P. Malliga	201
45.	Jan-25	Industrial Robotics and Automation	Dr. S. Saravana Perumaal	457
46.	Jan-25	Innovation Driven Entrepreneurship	Dr. K. S. Giridharan	540
47.	Jan-25	Integration of Artificial Intelligence in Educational Practices	Dr. V. Shanmuganeethi, Dr. S. Sasirekha	2,130
48.	Jan-25	Introduction to IT Systems Laboratory	Dr. P. Malliga	50
49.	Jan-25	Mechanics of Materials Laboratory	Dr. K. S. A. Dinesh Kumar	40
50.	Jan-25	Mentoring and Counselling Skills for Teachers	Dr. S. Renukadevi	1,519
51.	Jan-25	National Education Policy and Institutional Building	Dr. G. Janardhanan	3,162
52.	Jan-25	Operating systems	Dr. S. Sasirekha	2,732
53.	Jan-25	Pedagogy for Business Analytics	Dr. P. Jakulin Divya Mary	214
54.	Jan-25	Principles of Electronic Communication	Dr. P. Sivasankar	68
55.	Jan-25	Production and Operations Management	Dr. E. Balasubramanian	256
56.	Jan-25	Professional Orientation	Dr. V. Vandhana Devi	171
57.	Jan-25	Refrigeration and air-conditioning	Dr. S. Somasundaram	288
58.	Jan-25	Renewable Energy Power Plants Laboratory	Dr. M.Senthil Kumar	131
59.	Jan-25	Research Methodology and IPR	Dr. G. Janardhanan	2,048
60.	Jan-25	Soft Computing Techniques	Dr. T. Subha	635
61.	Jan-25	Student Psychology	Dr. S. Renukadevi	12,419
62.	Jan-25	Sustainable Construction Materials and Techniques	Dr. K. S. A. Dinesh Kumar, Dr. G. Janardhanan, Dr. E. S. M. Suresh	110
63.	Jan-25	Swachhata Campus - Clean, Green and Sustainable Technology	Dr. E. S. M. Suresh	559
64.	Jan-25	Teaching and Learning (TL) Practices for Python Programming	Dr. V. Shanmuganeethi	637
65.	Jan-25	Transportation Engineering	Dr. Vinod Kumar Adigopula	234
66.	Jan-25	UAV in Engineering Applications	Dr. E. Balasubramanian	782
67.	Jan-25	Virtual Simulation Tools based Interactive Teaching and Learning Strategy	Dr. G. Kulanthaivel	575
68.	Jan-25	Waste Management	Dr. G. Janardhanan	264
69.	Jan-25	Web-designing and Multimedia Technology	Dr. B. Yogameena	1,848
<b>Total</b>				<b>90,985</b>

## 12.2. NATIONAL INITIATIVES FOR TECHNICAL TEACHERS TRAINING (NITTT)



In the rapidly changing global landscape, the role of technical education in economic development has become crucial yet challenging. The increasing globalization and competitiveness call for well-qualified engineers and professionals who can address complex problems related to sustainability, environmental degradation, resource depletion, and inclusive growth. Recognizing the significance of making educational curricula and teacher training relevant to global needs, AICTE (All India Council for Technical Education) has introduced the "National Initiative for Technical Teachers Training (NITTT)." NITTTR Chennai has been designated as the coordinating agency for this policy.

Under NITTT, the following modules have been developed and deployed as Stage-I courses on the online platform SWAYAM. These modules cover diverse aspects, including curriculum aspects, professional ethics, communication skills, instructional planning, technology-enabled learning, student assessment, problem-solving, and institutional management. The initiative was inaugurated by the Hon'ble Minister of Education, Government of India, on 11th January 2020. The first phase focuses on inductee faculty members and teachers with less than five years of teaching experience. Participants register on the NITTT portal, designed and maintained by NITTTR Chennai, and access the online courses on SWAYAM.

An essential feature of this policy is the incorporation of mentor-based training and industrial training alongside the eight modules. The National Testing Agency (NTA) is the nodal testing agency responsible for conducting the proctored final examination, and the certification process is managed through NITTT. Completing all three phases (MOOCs, Mentor Training and Industrial Training) leads to the final professional certification provided by NITTT. This certification supports faculty members in enhancing their professional skills and is aligned with the 7th Pay Commission Gazette Notification. During the reporting year, a significant number of participants, 25972 in total, enrolled in the NITTT portal and commenced their learning journey through the MOOCs available on the SWAYAM platform. This initiative is a significant step towards empowering teachers with updated skills and knowledge to meet the evolving challenges of technical education and contribute effectively to the nation's progress.

Table 25. List of NITTT Enrolment

S. No.	Course Title	Coordinator	Participants No.	
			Semester (April - May)	Semester (September - October)
1.	Orientation Towards Technical Education and Curriculum Aspects	Dr. P. Malliga	1878	1157
2.	Professional Ethics and Sustainability	Dr. Shashi Kant Gupta	2073	1150
3.	Communication Skills, Modes and Knowledge Dissemination	Dr. Amandeep Kaur	1907	1104
4.	Instructional Planning and Delivery	Dr. Sandip S. Kedar	2079	1201
5.	Technology Enabled Learning and Life Long Self Learning	Dr. G. Janardhanan	2062	1239

6.	Student Assessment and Evaluation	Dr. V. Shanmuganeethi	2252	1214
7.	Creative Problem Solving Innovation and Meaningful R and D	Dr. P. K. Tulsi	2028	1152
8.	Institutional Management and Administrative Procedures	Dr. Rakesh K. Wat	2222	1254
<b>Total</b>			<b>16,501</b>	<b>9471</b>

### 13. VISIT OF EMINENT / DISTINGUISHED EXPERTS

NITTTR Chennai regularly engages with eminent and distinguished experts from academia, industry, research organizations, and government to interact with faculty, staff, and trainees. These visits provide valuable opportunities for knowledge exchange, exposure to cutting-edge developments, and insight into emerging trends in technical education and allied fields. Through these interactive sessions, the experts share their rich experience and best practices, inspiring innovation and excellence within the institute. Such visits contribute significantly to the professional growth of participants and strengthen NITTTR Chennai's linkages with national and international institutions.



1. Principal Director and Head of CIPET Chennai had a fruitful discussion with the Director Prof. Dr. Usha Natesan on 5<sup>th</sup> April 2024, exploring avenues for collaborative training programs and facility utilization that help to enhance learning experiences and empower aspiring minds.
2. The ONGC team, led by Shri A. Prabhakaran, GM(P) had a productive discussion with the Director Prof. Dr. Usha Natesan and other faculty, exploring future research collaborations on 27<sup>th</sup> May 2024.
3. Shri Gaurav Birla from the media and Entertainment Skills Council (MESOC) visited on 6<sup>th</sup> June 2024. He toured our extended Reality (XR) lab and the Experimental Learning Technology Centre (XLTC) and expressed his appreciation for our state-of-the-art facilities.
4. The team from the Nicola Foundation, Chennai, visited on 13<sup>th</sup> June 2024 and had a discussion with Director Prof. Dr. Usha Natesan, and faculty from various departments.
5. Mr Ashish Kulkarni, Chairman of Animation, Visual Effects, Gaming and Comics, Extended Reality (AVGC-XR) Forum of FICCI visited on 11<sup>th</sup> July 2024. The insightful discussion focused on Extended reality, Artificial Intelligence, Motion capture and Visual effort for creating a skilled workspace.
6. Mr. Mohit Soni, Chief Executive Officer, Media and Entertainment Skills Council (MESOC) visited on 12<sup>th</sup> July 2024. The discussion explored a potential joint training programmes in the emerging areas like Game Design and Development, Extended Reality, Drone Filming, Virtual Production, and Digital Marketing.
7. The representatives from the Wadhvani Foundation visited on 12<sup>th</sup> July 2024. The discussion paved the way for transformative learning experiences and impactful partnerships.
8. Dr. Radhika Khanna, EMMRC, Head(i/c), Pondicherry University visited on 26<sup>th</sup> July 2024. The discussion explored potential joint training initiatives in new and growing areas.
9. Prof. K. Baskaran, Pro Vice Chancellor (International Research and Partnership) Deakin University, Australia visited on 20<sup>th</sup> August 2024.
10. The commissioner of Technical Education, Tamil Nadu Shri. T. Abraham, IAS visited on 1<sup>st</sup> October 2024 and was impressed by the lab and infrastructure facilities.
11. Director Prof. Dr. Usha Natesan held a discussion with the officials of GKK Consultants, Malaysia on 10<sup>th</sup> October 2024, to explore collaboration opportunities in academics, research and TVET.

12. The team from the Asian Development Bank (ADB) visited on 11<sup>th</sup> November 2024 had a discussion with Prof. Dr. Usha Natesan, Director NITTTR Chennai, enhancing the institute's research capabilities and promoting an industry-focussed growth trajectory.
13. Prof. Dr. Rajive Kumar, Member Secretary, AICTE had a discussion with Director Prof. Dr. Usha Natesan on 5<sup>th</sup> November 2024 to explore and strengthen collaborative opportunities.
14. Russian Delegates from World skills Russia explored collaboration in skill development activities under BRICS Future Skills programme with Director Prof. Dr. Usha Natesan on 6<sup>th</sup> November 2024.
15. Dr. Basavaraju, Executive Director of GRAAM had a discussion on collaborative partnership with Director Prof. Dr. Usha Natesan on 7<sup>th</sup> November 2024.
16. Delegates from the National Academy of Marine Research (NAMR), Taiwan, along with the Director of S and T at the Taipei Economic and Cultural Centre (TECC), Taiwan Embassy, had discussions with Director Prof. Dr. Usha Natesan on 22<sup>nd</sup> November 2024.
17. The AIMO team, led by Dr. Ayyakannu, Chairman of AIMO (TNSB) hold a productive discussion with Director Prof. Dr. Usha Natesan about innovative strategies and to explore opportunities for collaborative growth on 27<sup>th</sup> November 2024.
18. Dr. Prabhakaran, AVP - Learning and Development, Rane Group had discussion with Director Prof. Dr. Usha Natesan, on 28<sup>th</sup> November 2024 focussing on fostering innovation, leadership, and skill development strategies to shape the future workforce.
19. Edutech India had discussion with Prof. Dr. Usha Natesan, Director NITTTR Chennai to explore transformative AR/VR technologies in education. The session included a live demo and insights into AR/VR-driven assessments and skill development to modernize education.
20. Delegates from the Radiant Institute of Technology, Hyderabad, and experts from Germany had fruitful discussions with Director Prof. Usha Natesan and faculty members on 7<sup>th</sup> March 2025 to explore the collaborative activities.



#### 14. MEMORANDUM OF UNDERSTANDING

NITTTR Chennai forges Memoranda of Understanding (MoUs) with a diverse range of educational institutions and organizations to foster collaborative research, consultancy, continuing education, and innovative advancements in teaching and learning processes, including training and capacity development.



These strategic partnerships are designed to enhance synergies, strengthen institutional capabilities, and contribute to the creation of a dynamic knowledge society. MoUs enable the institute to address evolving training needs, drive innovation, and facilitate the exchange of best practices. By partnering with governments, academic bodies, and industry leaders, NITTTR Chennai expands its reach and consolidates its ability to serve as a global hub for knowledge transfer and professional development.

Table 26. MoU Signed

S. No.	Name of the Organisation	Type	Date of Signing
1.	Bhaktavatsalam Polytechnic College, Kanchipuram	A	22.05.2024
2.	Don Bosco Polytechnic College, Thirukazhukundram	A	22.05.2024
3.	P.T. Lee Chengalvaraya Naicker Polytechnic College, Chennai	A	22.05.2024
4.	SIGA Polytechnic College, Chennai	A	22.05.2024
5.	Indian Air Force	G	02.07.2024
6.	Sathyabama Institute of Science and Technology	A	11.07.2024
7.	FORGE Innovation and Ventures	I	26.06.2024
8.	Sri Krishna College of Engineering and Technology, Coimbatore	A	19.07.2024
9.	RFLY Innovations Pvt. Ltd., Chengalpattu	I	22.08.2024
10.	Tamilnadu Centre of Excellence for Advanced Manufacturing (TANCAM)	I	18.11.2024
11.	Grassroots Research And Advocacy Movement (GRAAM)	A	23.12.2024
12.	Mohan Babu University	A	30.01.2025
13.	Vasireddy Venkatadri Institute of Technology (VVIT)	A	03.02.2025
14.	Selvam College of Technology	A	19.03.2025
15.	Ubifly Technologies Pvt. Ltd. (ePlane)	I	17.03.2025

\*A- Academic, I-Industry, G-Government



### 15. SEMINARS/ WEBINARS/WORKSHOPS CONDUCTED

During this year, several seminar/webinars/workshops on the topic of national, societal and technical importance were conducted. Participants from government, government aided, and private institutions, Industries and professionals attended these seminars/webinars/workshops.

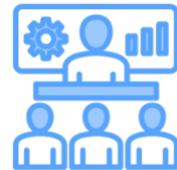


Table 27. List of Seminar/Webinars/Workshops conducted

S. No.	Mode	Course Title	Duration	Venue	Number of Participants
1.	Contact	Immersive Technologies - AR and VR	25.05.2024	NITTTR Chennai	37
2.	Online	Webinar on Awareness of New Criminal laws	29.05.2024	-	153
3.	Contact	Bootcamp on Gen AI for Creators: Using Stable Diffusion and Comfy UI Workflows	25.07.2024 - 27.07.2024	NITTTR Chennai	9
4.	Online	International Symposium on Innovative Research in Science and Technology	09.12.2024	Virtual	47
5.	Contact	Training Need Analysis	25.09.2024	Extension Centre Kalamassery	51

## 16. IMPLEMENTATION OF THE USE OF HINDI LANGUAGE

In alignment with the directives of the Official Language Implementation Committee, the Institute is actively advancing the use of Hindi across its campus. Throughout the year, the Hindi Cell spearheads a wide array of initiatives designed to encourage and facilitate the adoption of Hindi in official communications, academic activities, and day-to-day operations. These efforts include organizing workshops, seminars, and competitions to enhance proficiency and awareness, as well as distributing Hindi language learning materials.



Table 28. Details of Hindi Pakhwada and Hindi Day Celebration

S. No.	Particulars	Date	Activity	No. of Participants
1.	Hindi Pakhwada	03.09.2024	Speech, Quiz, Essay writing contest conducted for faculty, staff, research scholars and students	Ms. Shweta Verma, Hindi instructor of the institute
2.	Hindi Diwas	12.09.2024	Address by the Chief Guest, and prize distribution to the winners of the competitions	Shri. Jayakumar K V, Assistant Director, Head of Office, Office of the Deputy Director (South), Hindi Teaching Scheme, Rajaji Bhavan, Chennai

## 17. CELEBRATION OF NATIONAL DAYS

The Institute commemorates important national days each year to honour India's rich heritage and instil patriotic values among students, staff, and faculty. These celebrations not only pay tribute to the nation's historical milestones and luminaries but also serve as platforms for fostering unity, responsibility, and a sense of belonging within the campus community. Through a variety of events and activities, NITTTR Chennai reaffirms its commitment to national ideals and encourages active participation in the spirit of nation-building.



Table 29. List of Celebrations

S. No.	Description	Date	Events	Chief Guests
1.	International Day of Yoga	21.06.2024	Lecture cum Demonstration on Yoga for Well-being emphasizing the holistic wellness	Shri Krishnamurti, a renowned yoga practitioner and yoga trainers
2.	World Nature Conservation Day 2024	28.07.2024	Connecting People and Plants, Exploring Digital Innovation in Wildlife Conservation	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
3.	Independence Day	15.08.2024	Elocution, Drawing, Photography, Poster making and Ideathon	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
4.	National Space Day	23.08.2024	Live streaming of the Space Day Celebrations	Smt. Droupadi Murmu, Honourable President of India (virtual)

5.	Zero Accident day	26.08.2024	Awareness given about traffic rules and ensure our roads and campus are accident-free	NITTTR Chennai, in collaboration with the Chennai Traffic Police
6.	Handwashing Campaign	01.09.2024 - 15.09.2024	Mass handwashing campaign	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
7.	Teachers Day	05.09.2024	Special Address on "Teaching in the 21st century" and inauguration of the online portal of The Journal of Technical and Vocational Education	Dr. L. Suganthi, Professor (in Superannuation) and Former Dean, CEG, Anna University, Chennai
8.	SEMICON India	11.09.2024	Livestreaming of the inauguration	The Honourable Prime Minister of India inaugurated at 11am-12 noon at the INDIA EXPO MART, Delhi
9.	Shramdan	13.09.2024	Clearing certain specific areas of the campus	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
10.	Swachhata Walkathon and Tree planting	18.09.2024	Elocution, Swachhata Walkathon, Tree Plantation	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
11.	Safai Mitra Suraksha Shivr	23.09.2024	Eye Screening camp by Dr. Agarwal's Eye Hospital, Chennai for all housekeeping staff and other staff members	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
12.	Swachhata Hi Seva	29.09.2024	Organised Tourist Spot and Beach cleaning drive at Elliots Beach Chennai.	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
13.	Strategies for Promoting Workplace Hygiene and Sustainability	01.10.2024	Chief Guest Address on the importance of workplace hygiene and sanitation to ensure a healthy and productive workforce	Dr. P. Mohana, Madras School of Social Work
14.	Gandhi Jayanthi	02.10.2024	Prize distribution for Elocution Contest on the theme of Swachhta. PPE kits were distributed to the sanitation warriors of NITTTR, Chennai.	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
15.	Special campaign for disposal of pending matters 4.0	02.10.2024 - 31.10.2024	Efficient management of work space and implementation of citizen-centric initiatives on the campus	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
16.	Vigilance Awareness Week	28.10.2024 - 03.11.2024	A week-long event with the theme "Culture of Integrity for Nation's Prosperity" and contests were conducted.	Prof. Dr. Usha Natesan, Director, NITTTR Chennai

17.	National Unity Day	29.10.2024	Administration of Pledge and prize distribution	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
18.	Legacy of Dharti Aaba Bhagawan Birsa Munda	20.11.2024	Webinar on Legacy of Dharti Aaba Bhagawan Birsa Munda: Contributions to Tribal Rights & Social Justice	Dr. Ayesha Gautam, University of Delhi
19.	National Constitution Day	26.11.2024	Essay writing and Oratorical competition	Shri. Savala Naik Mude, Additional Secretary (C and WA), Ministry of External Affairs, New Delhi
20.	National Youth Day	12.01.2025	Webinar on Role of Youth in Abatement of Marine Plastic for Healthy Ocean	Dr. M. V. Ramana Murthy, Director, National Centre for Coastal Research, Chennai
21.	Pongal Celebration	12.01.2025	The campus was adorned with vibrant decorations. The traditional games like Uriyadi, Lemon and the Spoon, Musical Chair and others were conducted.	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
22.	Parakram Diwas	23.01.2025	Remembering the Legend: Netaji Subhash Chandra Bose	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
23.	International Day of Education	24.01.2025	Reaffirmed NITTTR Chennai Mission	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
24.	Republic Day	26.01.2025	Unfurled the National Flag, emphasizing the importance of rededicating ourselves to progressive teaching and training	Prof. Dr. Usha Natesan, Director, NITTTR Chennai
25.	Mathribhasha Diwas	21.02.2025	Webinar on Thaaimozhi	Dr. T. Vijayalakshmi, Visiting Professor of Tamil Studies at the University of Houston, USA
26.	International Women's Day	08.03.2025	Special address on "Empowering Academic Leaders: Essential Skills to Lead and Inspire" Special Talk on 'Waste to Wealth'  3H-Health, Heal, Harmony - Yoga for Women Session	Prof. Dr. Usha Natesan, Director, NITTTR Chennai Dr. B. Thanuja, Faculty Entrepreneur, CEO and Founder of AGSAIMO, Sri Sairam Engineering College Dr. Hemamalini. A., SKY, Chennai Zone



## 18. RECRUITMENT REFORMS

As part of the recruitment process, NITTTR Chennai undertook significant steps during the year to strengthen its human resource base and streamline hiring practices. A number of faculty and staff positions across teaching, technical, and administrative categories were successfully filled to meet the institute's growing academic and operational requirements. Six Junior Secretariat Assistants, two Senior Secretariat Assistants, and 34 Multi-Tasking Staff joined duty. Two Associate Professors were appointed in the Departments of Educational Media Technology and Computer Science Engineering, respectively. Eight non-teaching staff members also joined, including Assistant Section Officer (Librarian) - 1, Assistant Section Officer (Sr. Auditor) - 1, Senior Secretariat Assistant (Jr. Auditor) - 1, and technical staff comprising Civil and Plumbing Technician - 1, Electrical Technicians - 2, and Refrigeration and Air Conditioning/Mechanical Technicians - 2. In addition, a Group-A Technical Officer (Computer Programmer), a Group-B Technical Assistant Grade-I (Junior Engineer - Civil), a Consultant (Accounts), and one Apprentice Trainee in the Accounts Section were inducted.



Registration of contract workers was also completed on the Shram Suvidha Portal, ensuring statutory compliance and transparency in workforce management. These recruitment initiatives have considerably enhanced institutional capacity and efficiency in line with the institute's mission.

## 19. ADMINISTRATIVE REFORMS

NITTTR Chennai made significant strides during the reporting period in faculty recruitment and institutional capacity building. During the reporting period, a Selection Committee Meeting was conducted for the recruitment to the posts of Professor in various disciplines, including Curriculum Development, Planning and Coordination; Civil and Environmental Engineering; Electronics and Communication Engineering; Educational Media and Technology; Computer Science and Engineering; Mechanical Engineering; Education; Rural and Entrepreneurship Development; and Associate Professor in Mathematics. Under the Hindi Teaching Scheme, 37 faculty and staff members have attended *Prabodh* classes twice a week (1.5 hours per day). The *Stores and Purchase Manual 2024* was released to cater to the needs of procurement and the procedures were clearly listed. An awareness camp by officials from the State Bank of India was organised to familiarise participants, especially new recruits, with fixed deposits and other welfare schemes. CCTV systems were installed in the campus with public domain viewing enabled.



Additionally, seven Professors joined duty in the disciplines of Electronics and Communication Engineering, Educational Media and Technology, Mechanical Engineering, Education (2), and Rural and Entrepreneurship Development (2). Offers of appointment were issued to a Senior Technician (Electrical), Senior Technician (Electronics), and a Pharmacist. MACP benefits were extended to two non-teaching staff members. A re-advertisement for various teaching and non-teaching positions was published in *Employment News* and multiple regional newspapers, with wide publicity through our Extension Centres. An advertisement was also released for the post of Visiting Medical Officer. A webinar on “Recruitment @ NITTTR Chennai” was organised on 04.10.2024 by Shri M. Ramesh, Senior Administrative Officer.

## 20. ACADEMIC REFORMS

During this Diamond Jubilee year, NITTTR Chennai implemented a series of academic strengthening measures in line with NEP 2020 and the 100-day action agenda of the Ministry of Education (MoE). A consolidated report along with a presentation on empowering faculty for NEP 2020 implementation was submitted to the MoE. As part of *Promotion and Outreach* activities, the institute’s history, courses, curriculum, and key achievements were featured in the “Know Your Institution” social media series. An online admission portal was launched and details were presented through a comprehensive presentation. Key academic leadership positions - Chairman, Faculty of Engineering and Technology, Education and Management; Dean; Associate Deans; and Controller of Examinations - were appointed. The PG and Ph.D. entrance examinations were conducted for 240 candidates.



Publication guidelines were issued, and an Ombudsman for Student Grievances along with a Student Grievance Redressal Committee was constituted. The institute successfully registered for the Academic Bank of Credits (ABC) under NAD, nominated Nodal Officers for NAD DigiLocker, ABC Portal, NEP (UGC), and the National Insights Centre for Education (NICE, MoE). EoA was received from AICTE for PG and Ph.D. programmes. EDUROAM connectivity was established, and the Wadhvani Foundation EoI was accepted. A handbook for ITEC trainees was also prepared. OER data for all online courses (Apr 2022-Dec 2023) was finalised for the institute repository. The Editorial Board was reconstituted to revamp the *Journal of Technical and Vocational Education*. The first online issue was released on January 2025. Guidelines were released for Professional Development Programmes, and six proposals were submitted for CPSC In-Country Programmes (July 2024-June 2025). The Academic Council was reconstituted and a Research Advisory Board was established for DSIR certification. Faculty were selected to join NBA and ABET visit committees. These reforms reflect NITTTR Chennai’s sustained commitment to quality, innovation, and global engagement in technical teacher education.

## 21. BOARD AND SUB COMMITTEES

NITTTR Chennai is governed and guided by a robust organizational structure comprising multiple boards and sub-committees to ensure effective administration and academic excellence. The key decision-making body, the Board of Governors, oversees institutional policies, strategic planning, and resource management.



Supporting governance are specialized committees including the Finance Committee, Academic Council, and various sub-committees tasked with functions such as curriculum design, research advisory, quality assurance, and grievance redressal. These boards and committees collectively contribute to transparency, accountability, and continuous improvement in the institute's academic and operational domains, aligning with its mission to advance technical teacher education.

### A. NITTTR CHENNAI SOCIETY AND BOARD OF GOVERNORS (As on 31.03.2025)

Chairman	Vacant Chairman, BoG of NITTTR, Chennai
Member-Secretary	Dr. Usha Natesan, Director, NITTTR, Taramani, Chennai
Members Nominee of the Department of Education and Finance, Government of India	Joint Secretary (TEL) Department of Higher Education Ministry of Education, Government of India Shastri Bhavan, New Delhi - 110 001
	Joint Secretary and Financial Advisor Integrated Finance Division, Department of Higher Education Ministry of Education, Government of India Shastri Bhavan, New Delhi - 110 001.
Representative of the AICTE	Dr. Ramesh Unnikrishnan (up to 22.08.2024) Advisor-II (TLB) All India Council for Technical Education 7th Floor, Chanderlok Building Janpath, New Delhi - 110 001.  Dr. N.H. Siddalinga Swamy (From 23.08.2024) Adviser - II (Administration Bureau), All India Council for Technical Education Nelson Mandela Marg, Vasant Kunj, New Delhi-110 070.
NITTTR Faculty Representative	Dr. R. Santhakumar (Up to 17.02.2024) Professor, Department of Civil Engineering NITTTR, Chennai - 600 113.  Dr. P. Malliga (From 18.02.2024) Professor, Department of Computer Science Engineering NITTTR, Chennai - 600 113.
Five Director of Technical Education	1.The 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

	<p>2. The Director Directorate of Technical Education, HMT Junction, Kalamassery, Kochi - 683 104, Kerala</p> <p>3. The Director Directorate of Technical Education Department of Technical Education, Skill Development and Employment Vallabh Bhavan, Mantralaya, Bhopal- 462004, Madhya Pradesh</p> <p>4. The Director Directorate of Technical Education, 3, Mahapalika Marg, Post Box No.1967, Mumbai - 400 001, Maharashtra</p> <p>5. The Commissioner Directorate of Technical Education 53, Sardar Patel Road, Anna University, Guindy, Chennai- 600 025.</p>
Two Industrialists/ Technical Professionals	<p>1. Vacant</p> <p>2. Vacant</p>

#### B. FINANCE COMMITTEE

Chairman	Vacant Chairman, BoG of NITTTR Chennai
Member-Secretary	Dr. Usha Natesan Director, NITTTR Chennai
Members Nominee of the Department of Education and Finance, Government of India	<p>Joint Secretary (TEL) Department of Higher Education Ministry of Education, Government of India Shastri Bhavan, New Delhi - 110 001.</p> <p>Joint Secretary and Financial Advisor Integrated Finance Division Department of Higher Education, Ministry of Education, Government of India Shastri Bhavan, New Delhi - 110 001.</p>

#### C.SUB COMMITTEES OF THE BOARD AND OTHER COMMITTEES

##### 1. FACULTY AND GROUP 'A' SELECTION COMMITTEE [As per AICTE Norms]

Members	Chairperson of the BoG
	Director, NITTTR, Chennai
	Head of the Department/ Centres / Extension Centres / (in case where the HoD / HoC / Extension Centres is not in a Professor range, then the Senioremost Professor of the subject concerned in NITTTR, Chennai)

	One nominee of the AICTE
	One nominee from the Ministry of Education
	Two external subject experts
	An academician representing SC/ ST/ OBC/ Minority/ Women/ Differently abled categories

## 2. BUILDING COMMITTEE

Chairman	The Commissioner, Directorate of Technical Education 53, Sardar Patel Road, Anna University, Guindy, Chennai- 600 025.
Members	Chief Engineer, Southern Zone-1, Central PWD, Chennai - 600 006.
	Chief Engineer (Technical Education Division), Public Works Department, Government of Tamil Nadu Sardar Patel Road, Chennai - 600 025.
Member/ Secretary	Director, NITTTR, Chennai - 600 113.

## 3. DEPARTMENTAL PROMOTION COMMITTEE

Chairman	Professor nominated by the Director - Chairperson
Members	One Faculty Member nominated by the Director
	Two external Experts not below the pay level of 11 nominated by the Director
	One member from SC/ST not below the pay level of 11
Member Convener	Sr. Administrative Officer, NITTTR Chennai

## 4. ACADEMIC COUNCIL

Chairman	Director, NITTTR, Chennai
Members	HoDs / HoCs
	Two Eminent Persons from the Field of Technical Education
	One Senior Professor to be nominated by Director will be Secretary of the Academic Council

## 5. BOARD OF STUDIES FOR ALL ACADEMIC PROGRAMMES

Chairman	Director, NITTTR Chennai
Member	All Professors
	All Overseas Training Course Coordinators
	Special Invitees (Faculty members on need)

## 6. GRIEVANCE REDRESSAL COMMITTEE

Chairperson	Dr. S. Renukadevi, Professor and Head, Department of Education
Member	Dr. M. Senthilkumar, Professor, Department of Mechanical Engineering
Member	Dr. V. Shanmuganeethi, Assistant Professor, Department of Computer Science and Engineering

Member	Shri A.P. Felix Arokiyaraj, Assistant Professor, Department of Educational Media and Technology
Member	Dr. S. Rajasekar, Technical Officer, Department of Educational Media and Technology
Member	Shri M. Ramesh, Sr. Administrative Officer
Member	Shri S. Arun Kumar, Section Officer Gr.I (Accounts Officer)
Member	Shri L.P. Elbin, Editor (ETV)
Member	Shri S. Nagappan, Technician Gr.II

#### 7. INTERNAL COMPLAINT COMMITTEE (ICC) FOR PREVENTION OF SEXUAL HARASSMENT OF WOMAN AT WORKPLACE

Chairman	Dr. P. Malliga Professor and Head i/c Department of Computer Science and Engineering, NITTTR Chennai
Member	Smt. A. L. Ganthimathi Advocate, No.24/1, Perumal Koil Lane, Karpagataru Villa, Kotturpuram, Chennai - 600 085.
Member	Dr. R. Santhakumar Professor and Head Department of Civil Engineering NITTTR Chennai
Member	Smt. K. Satyapriya Section Officer Gr.II Administration, NITTTR Chennai

#### 8. CHIEF VIGILANCE OFFICER

Dr. R. Santhakumar, Professor, Department of Civil Engineering, NITTTR, Chennai

#### 9. PUBLIC INFORMATION OFFICER

Shri. M. Ramesh, Senior Administrative Officer, NITTTR, Chennai

#### 10. RESOURCE CENTRE

Dr. Seshubabu Pulagara (in-charge)

#### 11. WARDEN (Trainees Guest House - I and II and International Guest House)

Dr. S. Rajasekar, Technical Officer

#### 12. PARTICULARS OF COMMITTEE MEETINGS

	No.	Date	Venue
Board of Governors	56 <sup>th</sup>	10.05.2024	NITTTR, Chennai
	57 <sup>th</sup>	20.06.2024	NITTTR, Chennai
	58 <sup>th</sup>	22.08.2024	NITTTR, Chennai
	59 <sup>th</sup>	21.09.2024	NITTTR, Chennai
	60 <sup>th</sup>	29.11.2024	NITTTR, Chennai
	61 <sup>st</sup>	25.03.2025	NITTTR, Chennai
Finance Committee	53 <sup>rd</sup>	20.06.2024	NITTTR, Chennai
	54 <sup>th</sup>	21.09.2024	NITTTR, Chennai

	55 <sup>th</sup>	29.11.2024	NITTTR, Chennai
	56 <sup>th</sup>	25.03.2025	NITTTR, Chennai
Annual General Meeting of NITTTR Chennai Society	19 <sup>th</sup>	20.06.2024	NITTTR, Chennai
	20 <sup>th</sup>	29.11.2024	NITTTR, Chennai

## 22. LIST OF FACULTY MEMBERS

The faculty at NITTTR Chennai is a team of highly skilled educators and researchers from diverse disciplines, committed to advancing technical education. They bring extensive expertise in engineering, education, and technology, contributing to teaching, research, and development activities that support the institute's mission of excellence and innovation in technical teacher training. Their collective knowledge and experience ensure a dynamic learning environment and foster continuous improvement in technical education across India.



Table 30. List of Faculty Members

S. No.	Name of the Staff	Designation/ Department/Centre/ Extension Centre
1.	Dr. Usha Natesan	Director
2.	Dr. E. S. M. Suresh	Professor, Department of Civil Engineering and Head, Extension Centre, Kalamassery
3.	Dr. S. Renukadevi	Professor and Head, Department of Education
4.	Dr. G. Kulanthaivel	Professor, Department of Electronics and Communication Engineering
5.	Dr. R. Santhakumar	Professor and Head, Department of Civil Engineering
6.	Dr. P. Malliga	Professor and Head, Department of Computer Science and Engineering
7.	Dr. G. A. Rathy	Professor and Head, Department of Electrical Engineering
8.	Dr. K. S. Giridharan	Professor and Head, Department of Rural and Entrepreneurship Development
9.	Dr. S. Somasundaram	Professor, Department of Mechanical Engineering
10.	Dr. Umashanker Sahu	Professor, Department of Electronics and Communication Engineering (Posted at Extension Centre, Hyderabad)
11.	Dr. G. Janardhanan	Professor, Department of Civil Engineering and Head, Centre for Academic Studies and Research
12.	Dr. M. Senthilkumar	Professor, Department of Mechanical Engineering
13.	Dr. K. S. A. Dinesh Kumar	Professor, Department of Civil Engineering
14.	Dr. P. Sivasankar	Professor and Head, Department of Electronics and Communication Engineering
15.	Dr. E. Balasubramanian	Professor, Department of Mechanical Engineering and Head, Centre for International Affairs
16.	Dr. B. Yogameena	Professor and Head, Department of Educational Media and Technology
17.	Dr. M. Seenuvasan	Professor, Department of Education
18.	Dr. V. Vandhana Devi	Professor, Department of Education
19.	Dr. S. Sakthivel Murugan	Professor, Department of Electronics and Communication Engineering
20.	Dr. G. Selvakumar	Professor, Department of Rural and Entrepreneurship Development
21.	Dr. A. Padma Rekha	Professor, Department of Civil Engineering

22.	Dr. P. Selvi Rajendran	Professor, Department of Curriculum Development, Planning and Coordination
23.	Er. V. Sivakumar	Associate Professor, Department of Mechanical Engineering (Posted at Extension Centre, Bengaluru)
24.	Dr. M. Anil Kumar	Associate Professor, Department of Rural and Entrepreneurship Development
25.	Dr. R. Suja Mani Malar	Associate Professor, Department of Electrical Engineering
26.	Dr. K. N. Shoba	Associate Professor, Department of Education
27.	Dr. S. Saravana Perumaal	Associate Professor and Head, Department of Mechanical Engineering
28.	Dr. S. Sasirekha	Associate Professor, Department of Computer Science and Engineering
29.	Dr. T. Subha	Associate Professor, Department of Educational Media and Technology
30.	Dr. V. Shanmuganeethi	Assistant Professor, Department of Computer Science and Engineering
31.	Shri A. P. Felix Arokiyaraj	Assistant Professor, Department of Educational Media and Technology
32.	Dr. Vinod Kumar Adigopula	Assistant Professor, Department of Civil Engineering (Posted at Extension Centre, Vijayawada)
33.	Dr. P. Jakulin Divya Mary	Assistant Professor, Department of Rural and Entrepreneurship Development
34.	Dr. Seshu Babu Pulagara	Assistant Professor, Department of Computer Science and Engineering
35.	Er. M. Sutaarson	Assistant Professor, Department of Education

### 23. ACKNOWLEDGEMENT

The institute would like to place on record its deep sense of appreciation and gratitude to:

- i. The Government of India, Ministry of Education (Department of Higher Education) for its continued support to all its programmes and activities
- ii. The Government of India, Ministry of External Affairs for supporting our Overseas Training Courses (OTC) and ITEC programmes
- iii. The Board of Governors and its sub-committees for their contribution to the Governance of the Institute
- iv. The State Governments of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Telangana and Union Territory of Puducherry for their continued cooperation by deputing teachers for various programmes and activities of the institute
- v. Industries and their managements for their cooperation and assistance in conducting various programmes effectively
- vi. The faculty and staff members of the institute for their hard work and dedication in making the reporting year an eventful one



# **REPORT ON ACCOUNTS 2024-2025**

**As Audited by the  
PRINCIPAL DIRECTOR OF AUDIT (CENTRAL), CHENNAI**



महानिदेशक लेखापरीक्षा (केंद्रीय) चेन्नै का कार्यालय  
लेखापरीक्षा भवन, 361, अण्णा सालै, तेनामपेट, चेन्नै - 600 018.

**OFFICE OF THE DIRECTOR GENERAL OF AUDIT (CENTRAL)**  
Chennai

"LEKHA PARIKSHA BHAVAN", 361, Anna Salai, Teynampet, Chennai - 600 018.

Lr. No. DGA(C)/CE/1/28-52/25-26/

Dt. 27.10.2025

To

**The Secretary**  
Ministry of Education  
Government of India  
Shastri Bhavan  
New Delhi - 110 001

**Sub: Separate Audit Report (SAR) on the accounts of NITTTR, Chennai  
for the year 2024-25 - Reg.**

Sir/Madam,

I forward herewith the Separate Audit Report on the accounts of National Institute of Technology Teachers Training and Research, Chennai for the year 2024-25 along with the statement of accounts. Dates of presentation of the accounts with Separate Audit Report to Parliament may kindly be intimated to this office. Further, a copy of the Report as presented to Parliament may also be sent to this Office in due course.

Receipt of this letter with enclosures may kindly be acknowledged.

Yours faithfully

**Encl:** As above

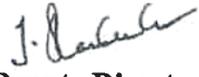
— Sd —

**Deputy Director/ CE**

**Endt: Lr. No. DGA(C)/CE/I/28-52/25-26/ 46**

**Dt. 27.10.2025**

Copy together with a copy of the Separate Audit Report forwarded to the **Director, NITTTR, Chennai**. He is requested to furnish one copy of Hindi version of the **Separate Audit Report** and one copy of the **Annual Report** along with dates of presentation of the Report for the year 2024-25 to Parliament.

  
**Deputy Director/CE**

## **Opinion of the Comptroller & Auditor General of India on the Accounts of National Institute of Technology Teachers Training and Research, Chennai for the year ended 31 March 2025**

### **Opinion**

We have audited the financial statements of National Institute of Technology Teachers Training and Research, Chennai, which comprise the statement of financial position as at 31 March 2025 and the Income & Expenditure Account/Receipts & Payment Account for the year then ended, and notes to the financial statements, including a summary of significant accounting policies under Section 20(1) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. The audit has been entrusted for the period up to 2027-28.

This Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions regarding compliance with the Law, Rules and Regulations (Propriety & Regularity) and efficiency cum performance aspects, etc., if any, are reported through inspection reports/ CAG's audit reports separately.

In our opinion the accompanying financial statements of National Institute of Technology Teachers Training and Research, read together with the accounting policies and Notes thereon and matters mentioned in the Separate Audit Report, which follows, **give a true and fair view** of the financial position of the autonomous body as at March 31, 2025, and (of) its financial performance and its cash flows for the year then ended in accordance with uniform format of accounts.

### **Basis for Opinion**

We conducted our audit in accordance with the CAG's auditing regulations/ standards/ manuals/ guidelines/ guidance-notes/ orders /circulars etc. Our responsibilities are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the autonomous body in accordance with ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### **Responsibilities of Management for the financial statements**

The Board of Governors of NITTTR, Chennai is responsible for the preparation and fair presentation of the financial statements in accordance with format approved by Ministry of Education (erstwhile Ministry of Human Resource Development) and for internal control as management determines it necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

### **Auditor's Responsibilities for the Audit of the Financial Statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and

to issue an auditor's report that includes our opinion in accordance with CAG's auditing regulations /standards/ manuals/ guidelines/ guidance-notes/ orders/ circulars etc.

**Place: Chennai**  
**Date: 27 .10.2025**

  
**For and on behalf of the CAG of India**  
**Director General of Audit (Central), Chennai**

## Separate Audit Report on the Accounts of NITTTR, Chennai

### A. Balance Sheet

Accounts revised.

### B. Profit & Loss Account/Income and Expenditure Account

Accounts revised.

### C. Receipts and Payments Account

Accounts revised.

### D. Accounting Policies

The accounting policies followed are in conformity with accounting standards generally accepted in India and the format approved by Ministry of Education applicable to the entity.

### E. General

There is no material deficiency noticed in adoption of accounting principles and policies, matters in notes to accounts, non-disclosure/inadequate disclosure of significant matters concerning accounts etc.

### Effect of revision of Accounts

The accounts of the Institute were revised based on audit observations. As a result of revision of accounts, the Assets/ Liabilities increased by ₹0.61 crore and deficit in I&E decreased by ₹0.56 crore.

### F. Assessment of Internal Controls

(i) **Adequacy of Internal Control System:** Internal control system is adequate.

(ii) **Adequacy of Internal Audit System:** Internal audit system is adequate. Internal audit was conducted by Chartered Accountants Firm for the year 2024-25. Scope of work covers whole aspects of accounts.

(iii) **System of Physical verification of fixed assets:** Physical Verification of Fixed assets were conducted for the year 2024-25.

(iv) **System of Physical verification of inventory:** Physical Verification of inventory was conducted for the year 2024-25.

(v) **Regularity in payment of statutory dues:** The institute is regular in depositing statutory dues.

### H. Grants in aid

Out of the grants in aid of ₹50.17 crore received during the year; along with the opening balance of ₹8.16 crore and refund from CPWD of ₹2.87 crore, with totalled grant of ₹61.20 crore the organization could utilize a sum of ₹52.57 crore leaving an amount of ₹8.63 as unutilized grant as on 31 March 2025.

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

**ANNUAL ACCOUNTS  
2024-25**

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, TARAMANI, CHENNAI - 600113**  
**BALANCE SHEET AS AT 31.03.2025**

SOURCES OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2024-25	Previous Year 2023-24
<b>CORPUS/CAPITAL FUND</b>	1	(59,36,23,282.51)	(53,95,01,733.06)
<b>DESIGNATED/ EARMARKED / ENDOWMENT FUNDS</b>	2	24,10,71,539.91	25,17,28,881.40
<b>CURRENT LIABILITIES &amp; PROVISIONS</b>	3	1,73,06,45,966.20	1,47,64,07,440.21
<b>TOTAL</b>		1,37,80,94,223.60	1,18,86,34,588.55

APPLICATION OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2024-25	Previous Year 2023-24
<b>FIXED ASSETS</b>			
Tangible Assets	4	63,63,03,939.28	42,09,47,771.75
Intangible Assets		4,00,273.00	13,20,626.00
Capital Works-In-Progress		7,20,31,422.00	17,39,14,543.00
<b>INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b>	5	17,81,32,067.00	17,47,84,188.00
Long Term			
Short Term			
<b>INVESTMENTS- OTHERS</b>	6		
<b>CURRENT ASSETS</b>	7	37,74,99,759.13	32,86,00,552.26
<b>LOANS, ADVANCES &amp; DEPOSITS</b>	8	11,37,26,763.19	8,90,66,907.54
<b>TOTAL</b>		1,37,80,94,223.60	1,18,86,34,588.55

SIGNIFICANT ACCOUNTING POLICIES

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CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

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**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31.03.2025**

Particulars	Schedule	Amount in Rs.	
		Current Year 2024-25	Previous Year 2023-24
<b>INCOME:</b>			
Academic Receipts	9	86,23,360.00	15,82,180.00
Grants / Subsidies	10	29,48,13,938.35	32,23,89,090.84
Reserves & Surplus utilized for Revenue Expenditure		5,58,86,429.49	-
Income from investments	11	-	-
Interest earned	12	4,22,292.00	-
Other Income	13	1,70,12,100.22	62,32,955.44
Prior Period Income	14	77,91,991.19	15,294.00
<b>TOTAL (A)</b>		<b>38,45,50,111.25</b>	<b>33,02,19,520.28</b>
<b>EXPENDITURE</b>			
Staff Payments & Benefits (Establishment expenses)	15	41,34,20,612.00	34,46,07,194.00
Academic Expenses	16	-	8,65,000.00
Administrative and General Expenses	17	5,69,95,629.84	6,90,27,786.84
Transportation Expenses	18	8,38,668.00	12,25,203.00
Repairs & Maintenance	19	38,50,942.39	34,05,756.61
Finance costs	20	-	-
Depreciation	4	6,74,40,333.47	4,72,82,745.73
Other Expenses	21	-	-
Prior Period Expenses	22	2,32,040.00	38,47,707.00
General Expenses		-	-
<b>TOTAL (B)</b>		<b>54,27,78,225.70</b>	<b>47,02,61,393.18</b>
Balance being excess of Income over Expenditure (A-B)			
Transfer to / from Designated Fund			
Building fund			
Others (specify)			
<b>Balance Being Surplus / (Deficit) Carried to Capital Fund</b>		<b>(15,82,28,114.45)</b>	<b>(14,00,41,872.90)</b>

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Significant Accounting Policies  
Contingent Liabilities and Notes to Accounts

**SCHEDULE -1 CORPUS/CAPITAL FUND**

		Amount in Rs.	
Particulars		Current Year 2024-25	Previous Year 2023-24
	Balance at the beginning of the year	(53,95,01,733.06)	(46,24,21,176.15)
Add:	Contributions towards Corpus/Capital Fund		
Add:	Contributions towards Corpus/Capital Fund - OTC		
Add:	Grants from UGC, Government of India and State Government to the utilized for capital expenditure	17,99,93,027.00	6,29,61,316.00
Add:	Contributions towards Corpus/Capital Fund - SWAYAM		
Add:	Assets Purchased out of Earmarked Funds		
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the institution		
Add:	Assets Donated/Gifts Received		
Add:	Adjustment of Opening Balance difference in prior years		
	Total	(35,95,08,706.06)	(39,94,59,860.15)
Less:	Over statement of accrued interest		
Add:	Project Account - Capital Fund		
Add:	Interest Earned on Grants Inadvertently adjusted Twice in FY 2023-24	5,89,985.01	
Less:	EB Deposit added in Electricity charges for the past years		
Less:	CPWD Deposit inadvertently credited to Capital	4,77,14,958.00	
Less:	Refund from CPWD	2,87,61,489.00	
	Plan Grant Revenue Expenditure		
Add:	Excess of Income over expenditure transferred from the Income & Expenditure Account	(15,82,28,114.45)	(14,00,41,872.90)
	<b>Total</b>	<b>(59,36,23,282.51)</b>	<b>(53,95,01,733.06)</b>
	(Deduct) Deficit transferred from the Income & expenditure Account		
	<b>Balance at the year end</b>		

**SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS**

Particulars	Amount in Rupees	
	Total	
	Current Year 2024-25	Previous Year 2023-24
<b>SCHEDULE 2A</b>		
ENDOWMENT FUNDS		
<b>SCHEDULE 2B</b>		
DESIGNATED	24,10,71,539.91	25,17,28,881.40
<b>SCHEDULE 2C</b>		
EARMARKED	-	-
<b>Total</b>	<b>24,10,71,539.91</b>	<b>25,17,28,881.40</b>
<b>Represented by</b>		
Cash And Bank Balances	6,29,39,472.91	7,69,44,693.40
Investments (Fixed Deposit)	17,81,32,067.00	17,47,84,188.00
Interest accrued but not due		
<b>Total</b>	<b>24,10,71,539.91</b>	<b>25,17,28,881.40</b>

**SCHEDULE 2A**  
**ENDOWMENT FUNDS**

Specimen format of Sub Schedule to support the figures in the column "Endowment Funds" in the Schedule "Earmarked / Endowment Funds", forming part of the Balance Sheet.

1. S.I.No	2. Name of the Endowment	Amount in Rupees										
		Opening Balance on 01.4.2024		Additions during the Year			Total		Expenditure on the object during the year		Closing Balance on 31.03.2025	
		3	4	5	6	7	8	9	10	11		
		Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4+6)		Endowment	Accumulated Interest		
						Nil						
	<b>Total</b>											

**Notes**

1. The total of Columns 3 & 4 will appear as the Opening Balance in the Column "Endowment Funds" in Schedule 2, of Earmarked Funds forming part of the Balance Sheet.
2. The total of Col. 9 should normally be less than the total of Col. 8, as only the interest is to be used for the expenditure on the object of the endowments, (except Endowments for Chairs)
3. There should not normally be a debit balance in the schedule. If in a rare case, there is a debit balance against any of the Endowment Funds, the debit balance should appear on the Assets side of the Balance Sheet as "Receivables", in Schedule - 8 Loans, Advances & Deposits.

**SCHEDULE 2B  
DESIGNATED FUNDS**

Amount in Rupees

S. No.	Particulars	Opening Balance	Add	Less	Less	Closing Balance
		01-04-2024	Generation during the Year	Utilised for Capital Account	Utilised for Revenue Account	31-03-2025
1	Corpus Fund	15,00,00,000.00		-	-	15,00,00,000.00
2	Reserves and Surplus	10,17,28,881.40	5,13,01,848.00	-	6,19,59,189.49	9,10,71,539.91
3	<b>Total</b>	<b>25,17,28,881.40</b>	<b>5,13,01,848.00</b>	<b>-</b>	<b>6,19,59,189.49</b>	<b>24,10,71,539.91</b>

**SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS**

		Amount in Rupees	
		Current Year 2024-25	Previous Year 2023-24
<b>A. CURRENT LIABILITIES</b>			
1. Deposits from Staff			
Caution Deposit for staff Quarters		76,860.00	76,860.00
Staff Quarters			
Yoga Hall Deposit		-	10,000.00
2. Deposits from Students			
Caution Deposit for Ph.D		25,000.00	25,000.00
Scholarship for M.Tech - HRD Deposit			
Boarding Charges - Hostel		1,07,160.00	70,500.00
Research Scholar - FIP			
M.E.(IEM) - Caution Deposit		5,25,000.00	1,90,000.00
ME (VLSI D & ES) - Caution Deposit		2,40,000.00	
ME (AI & ML) - Caution Deposit		2,20,000.00	
ME (Mechatronics) - Caution Deposit		5,30,000.00	
ME (PE & D ) - Caution Deposit		3,80,000.00	
3. Sundry Creditors			
a) For Goods & Service			
Cofmow Equipments		-	
Tamil Nadu Book House			
Misc Deposits - M/s Akins		-	
4. Deposit- Others (including EMD, Security Deposit)			
AICTE UKIERI Work shop			
Earnest Money Deposit		1,800.00	
Community Hall Deposit			
Caution Deposit for Canteen			
Security Deposit		(28,525.00)	
5. Statutory liabilities ( GPF, TDS WC TAX, CPF, GIS, MPS):			
a) Overdue			
b) Others			20,211.92
Property Tax Payable		16,39,982.24	
Duties and Taxes		44,379.00	
TDS on IT		(3,708.00)	
Professional Tax			

	Current Year 2024-25	Previous Year 2023-24
<b>6. Other Current Liabilities</b>		
a) Salaries	28,58,330.00	86,28,071.00
b) OTC Liability Completed Project Sch 3 B (2)	1,65,75,928.05	1,37,66,410.51
INTEREST TO BE REFUNDED TO GOVERNMENT	41,58,675.00	
CPWD Deposit Re-undable to Government (Forfeited Performance Guarantee)	5,40,05,523.00	2,03,91,829.00
Project Account Liabilities- Sch 3 B (1)		
c) Receipts against- sponsored fellowships & Scholarships	8,63,68,700.85	8,19,35,828.20
d) Unutilised Grants	9,86,26,624.00	
e) Unutilised Grants (Deposit with CPWD)		
f) Other funds : TGH Mess Expenditure/Income		
g) SWAYAM Sponsored Projects		
h) Other Liabilities :		
Deposit on account of Seminars and Symposia (Sch. 3A)	53,85,240.06	61,65,350.54
Insurance Claim	9,45,803.00	
<b>Total (A)</b>	<b>27,26,82,772.20</b>	<b>13,12,80,061.17</b>
<b>B. PROVISIONS</b>		
1. For Taxation		
2. Gratuity	6,16,86,897.00	5,95,28,440.00
3. Superannuation Pension	1,28,56,24,467.00	1,16,71,29,082.00
4. Accumulated Leave Encashment	7,99,42,685.00	7,55,32,395.00
5. Trade Warranties /Claims		
6. Outstanding Expenses:		
OH-31 Outstanding Expenses	92,80,739.00	2,69,55,392.00
OH-36 Outstanding Expenses	2,10,49,223.00	
Outstanding expenditure OTC		
Outstanding expenditure Mess		
Utilized Grants		
Misc Deposit - Atrins	4,437.00	8,69,985.54
OTC liability		4,437.00
SWAYAM CAPACITY BUILDING WORKSHOP	3,74,746.00	1,37,40,455.00
TGH Mess Exp / Ir come		3,74,746.00
		9,92,446.50
<b>Total (B)</b>	<b>1,45,79,63,194.00</b>	<b>1,34,51,27,379.04</b>
<b>Total (A+B)</b>	<b>1,73,06,45,966.20</b>	<b>1,47,64,07,440.21</b>

**SCHEDULE - 3 (a) SPONSORED PROJECTS**

Amount in Rupees

1. Sl. No.	2. Name of the Project	Opening Balance on 01.04.2024		5. Receipts/ Recoveries during the year	6. Total	7. Expenditure during the year	Closing Balance on 31.03.2025	
		3. Credit	4. Debit				8. Credit	9. Debit
1	3D Asset Development Blender & VR Application	45,000.00		-	45,000.00		45,000.00	
2	AICTE-Boot Camp-2023-24	(15,613.00)		-	(15,613.00)	8,123.00		23,736.00
3	AOC, Airforce Station (TTP)	65,747.00		-	65,747.00	-	65,747.00	-
4	ARPIT - 2022	1,20,000.00		-	1,20,000.00	-	1,20,000.00	-
5	Art of Writing RA&D for Grant of Projects	80,000.00		-	80,000.00	80,000.00	-	-
6	ATAL -1 (Robotics)	(2,16,397.00)		-	(2,16,397.00)	2,603.00		2,19,000.00
7	ATAL_AP	2,38,200.00		-	2,38,200.00	-	2,38,200.00	-
8	ATAL_PA1 4.0 & 5.0	11,570.00		2,500.00	14,070.00	13,977.00	93.00	-
9	Breakthrough Technologies for Engg Edu & Research	27,219.54		-	27,219.54	-	27,219.54	-
10	Centre for Development of Advanced Computing C-DAC,	25,424.00		-	25,424.00	-	25,424.00	-
11	Creation to Curation of AV Content for Mdi Casting	(7,030.00)		-	(7,030.00)	-		7,030.00
12	CV Raman Global University	80,000.00		-	80,000.00	-	80,000.00	-
13	Data Analytics and Visualization (SSPDP-28)	80,000.00		-	80,000.00	-	80,000.00	-
14	E-Content Development for Blended Learning	1,60,000.00		-	1,60,000.00	1,60,000.00	-	-
15	E- Content Development & LMS - EFDP 02	80,000.00		-	80,000.00	-	80,000.00	-
16	EFDP-03 OT&E Jaypee IIT Noida	80,000.00		-	80,000.00	-	80,000.00	-
17	ERNET India	(25,424.00)		-	(25,424.00)	-		25,424.00
18	ETP - SSPDP - 16	(12,204.00)		-	(12,204.00)	-		12,204.00
19	Framing Course Outcomes - SSPDP - 10	80,000.00		-	80,000.00	80,000.00	-	-
20	Hands on Trg Prog - WQA YR	9,000.00		-	9,000.00	-	9,000.00	-
21	Hindustan Institute of Tech & Science	1,60,000.00		-	1,60,000.00	1,60,000.00	-	-
22	Instructional Design and Delivery System	3,52,000.00		3,48,000.00	7,00,000.00	3,44,000.00	3,56,000.00	-
23	Jaypee Institute of Information Technology	80,000.00		-	80,000.00	-	80,000.00	-
24	Joshephs College of Engineering	67,796.00		-	67,796.00	-	67,796.00	-
25	Karpaga Vinayaga College of Engg & Tech	80,000.00		-	80,000.00	80,000.00	-	-
26	Karyashala - E-Mobility & Electric Vehicle Engg	(22,272.00)		-	(22,272.00)	-		22,272.00
27	Lakireddy Bali Reddy College of Engg	80,000.00		-	80,000.00	-	80,000.00	-
28	LVP Nepal-2022-23	4,96,757.00		-	4,96,757.00	-	4,96,757.00	-
29	Mentoring & Counselling Skills for Teachers 23_24	80,000.00		-	80,000.00	80,000.00	-	-
30	Mentoring (VMRF)	32,000.00		-	32,000.00	-	32,000.00	-
31	National Academy of Direct Taxes	(16,000.00)		-	(16,000.00)	-		16,000.00
32	NBA Accreditation - SSPDP 32 (12to16Feb 2024)	80,000.00		-	80,000.00	80,000.00	-	-
33	NBA Training and Hand Holding the SAR Prep Process	1,37,288.00		-	1,37,288.00	-	1,37,288.00	-
34	New Pdgl Apprs of HEI for 21st Century Learner's	80,000.00		-	80,000.00	-	80,000.00	-
35	OBE Based Curriculum Design & Implementation	80,000.00		-	80,000.00	80,000.00	-	-
36	OBE & NBA Accreditation Process	16,949.00		-	16,949.00	-	16,949.00	-
37	Open Book Examination (SSPDP - 23)	1,50,000.00		-	1,50,000.00	-	1,50,000.00	-
38	Outcome Based Education 02.01.24 to 06.01.24	80,000.00		-	80,000.00	80,000.00	-	-
39	Outcome Based Education 4th Oct to 6th Oct	80,000.00		-	80,000.00	80,000.00	-	-
40	Outcome Based Education B-II (08.01.24 to 12.01.24)	80,000.00		-	80,000.00	80,000.00	-	-
41	Outcome Based Education Training Programme(Mar2024)	80,000.00		-	80,000.00	80,000.00	-	-
42	OUTCOME BASED EDUCTION 5TH SEPT TO 9TH SEPTEMBER	80,000.00		-	80,000.00	80,000.00	-	-
43	Pedagogical Strategies for 21st Century Learners	(27,200.00)		200.00	(27,000.00)	-		27,000.00
44	PSNA College of Engg and Technology	2,01,100.00		-	2,01,100.00	02,000.00	2,09,100.00	-
45	Ramakrishna Mission Polytechnic College	1,35,000.00		-	1,35,000.00	-	1,35,000.00	-
46	Sapthagiri Educational Trust	1,35,000.00		-	1,35,000.00	-	1,35,000.00	-
47	SERB - Conferecne - Industry 5.0	(62,850.00)		-	(62,850.00)	-		62,850.00
48	SERB - Karyashala - BOSPV	3,540.00		-	3,540.00	-	3,540.00	-
49	Skill Hub Initiative - PMKVY 4.0	4,46,978.00		2,78,216.50	7,25,194.50	4,61,546.00	2,63,648.50	-
50	SMT Shakuntla Educational & Welfare Society	1,60,000.00		-	1,60,000.00	1,60,000.00	-	-
51	SSPDP-07_NBA Accdn Procedures_NSUT	22,000.00		-	22,000.00	-	22,000.00	-
52	SSPDP-14-NBA Accdn_2023-2024	80,000.00		-	80,000.00	80,000.00	-	-
53	SSPDP - 18	98,000.00		-	98,000.00	-	98,000.00	-
54	SSPDP-30_NAAC Accdn_VJTI	80,000.00		-	80,000.00	-	80,000.00	-
55	ToT for CSS Trainers (TNRTP)	1,94,543.00		-	1,94,543.00	1,94,549.00		6.00
56	Training of Trainers_2022 (ECB)	95,930.00		-	95,930.00	-	95,930.00	-
57	Training on Digital Content Creation & Curation	33,750.00		-	33,750.00	-	33,750.00	-
58	Training Programme on Python Programming	80,000.00		-	80,000.00	80,000.00	-	-

59	Train the Trainers Programme	94,253.00	-	94,253.00	1,60,000.00		65,747.00
60	Transparency Third Party Audit Services	9,20,000.00	3,98,666.50	13,18,666.50	9,20,000.00	3,98,666.50	-
61	VNR VJIE&T - SSPDP - 33	80,000.00	-	80,000.00	-	80,000.00	-
62	Workshop for Tech Trainers - AFS Bidar	50,896.00	29,104.00	80,000.00	80,000.00	-	-
63	Workshop on Drone Design and Assembly	14,400.00	-	14,400.00	-	14,400.00	-
64	AFS Bidar - Pedagogy for Defence Educators	-	1,36,835.00	1,36,835.00	56,835.00	80,000.00	-
65	AI in TVET Education	-	1,69,491.52	1,69,491.52	-	1,69,491.52	-
66	Aligned Syllabus Development : Crafting and Driven	-	80,000.00	80,000.00	-	80,000.00	-
67	Analysis and Design of Structures ETABS	-	15,000.00	15,000.00	-	15,000.00	-
68	Educational Technologies Flipped and Blended Learn	-	80,000.00	80,000.00	-	80,000.00	-
69	Enhancing Teaching Excellence PE,IP,SD	-	80,000.00	80,000.00	-	80,000.00	-
70	FDP Teaching Learning Process for Student CA	-	80,000.00	80,000.00	80,000.00	-	-
71	GEN AI Bootcamp 24-25	-	8,000.00	8,000.00	8,000.00	-	-
72	Induction Training Programme for Young Faculty	-	80,000.00	80,000.00	-	80,000.00	-
73	Innovative Teaching Strategies & Pedagogical Exc	-	80,000.00	80,000.00	80,000.00	-	-
74	Internation Design & Delivery System	-	90,000.00	90,000.00	90,000.00	-	-
75	Mentoring & Counselling Skills for Teacher 24_25	-	80,000.00	80,000.00	80,000.00	-	-
76	Micro Teaching Evaluation - OBE for SRM	-	80,000.00	80,000.00	-	80,000.00	-
77	Mooc Course - DDE - May 2024	-	2,00,000.00	2,00,000.00	2,00,000.00	-	-
78	One Day Workshop on Immersive Technologies AR and VR	-	25,500.00	25,500.00	-	25,500.00	-
79	PDP - Autonomy Curriculum Design (6.1.25 - 10.1.25)	-	80,000.00	80,000.00	-	80,000.00	-
80	PDP-Block Chain Technologies	-	80,000.00	80,000.00	80,000.00	-	-
81	PDP Emerging Techniques in IT Domain	-	80,000.00	80,000.00	80,000.00	-	-
82	PDP- Foundation of Teaching & Learning	-	1,60,000.00	1,60,000.00	-	1,60,000.00	-
83	PDP IDDS ED-SP-09-16 (26.8.24 to 30.8.24)	-	80,000.00	80,000.00	80,000.00	-	-
84	PDP on Advanced Pedagogy Techniques	-	1,60,000.00	1,60,000.00	1,60,000.00	-	-
85	PDP on Extended Reality Technology AR & VR	-	1,00,000.00	1,00,000.00	-	1,00,000.00	-
86	PDP on Innovative Pedagogical Approaches for OBE	-	1,00,000.00	1,00,000.00	-	1,00,000.00	-
87	PDP on National Education Policy 2020	-	2,00,000.00	2,00,000.00	-	2,00,000.00	-
88	PDP on Outcome Based Education (12to14 Aug24)	-	80,000.00	80,000.00	80,000.00	-	-
89	PDP on TLAE (22.07.2024 to 26.07.2024)	-	80,000.00	80,000.00	80,000.00	-	-
90	PDP on Writing Successful Research Proposals	-	25,000.00	25,000.00	-	25,000.00	-
91	PDP-Outcome Based Education & Implementation	-	80,000.00	80,000.00	80,000.00	-	-
92	RMIDE Bootcamp 2024-25	-	16,05,000.00	16,05,000.00	16,01,500.00	3,500.00	-
93	Scientific Methodology of Evaluation - Air Force In	-	1,60,000.00	1,60,000.00	80,000.00	80,000.00	-
94	Value Added Course on PLC & Automation	-	30,240.00	30,240.00	-	30,240.00	-
	<b>Total</b>	<b>61,65,350.54</b>	<b>54,41,753.52</b>	<b>1,16,07,104.06</b>	<b>67,03,133.00</b>	<b>53,85,240.06</b>	<b>4,81,269.00</b>

1. The Projects may be listed agency-wise, with sub-totals for each agency.
2. The total of Col. 8 (Credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).
3. The total of Col. 9 (Debit) will appear as Receivables in Schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.

**SCHEDULE 3 (b) Deposit on Account of Externally Funded Projects**

SI No	Name of Sponsor	Amount in Rupees							
		Opening Balance As On 01.04.2024		Transactions During the year		Closing Balance As On 31.03.2025		7	8
		3	4	5	6	7	8		
	2	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.
1	79 Swayam Mooc Project	1,38,45,326.00	-	12,17,85,768.00	8,62,52,998.00	4,93,78,096.00			
2	90A - DPR for ER of Pdrvdu Tank	89,582.00	-	-	-	89,582.00			
3	90B - DPR for ER of MG Tank	95,556.00	-	-	-	95,556.00			
4	90C - DPR for ER of Npti Tank	98,925.00	-	-	-	98,925.00			
5	93_TNUHDB	26,708.00	-	-	-	26,708.00			
6	ECOMETRIX CONSULTANTS - SOCIO ECONOMIC SURVEY	1,72,500.00	-	-	1,72,500.00	-			
7	Indian Council of Social Science Research (ICSSR)	86,242.00	-	-	25,224.00	61,018.00			
8	NITTR/CIVIL/TNSCB/PERUNGALATHUR/87/SNP/2020-21	15,103.00	-	-	-	15,103.00			
9	NLC Ltd. 23-24	6,12,507.00	-	-	92,107.00	5,20,400.00			
10	DRDO-ARMIREB PROJECT	31,27,626.00	-	-	31,51,416.00	-			23,790.00
11	Project No. 89 Water Testing	22,21,754.00	-	-	7,92,000.00	30,13,754.00			
12	Margdarshan Scheme	-	-	7,20,000.00	25,500.00	6,94,500.00			-
13	UAV Water Mapping Project	-	-	8,38,165.00	8,50,046.00	11,881.00			-
	<b>Total</b>	<b>2,03,91,829.00</b>	<b>-</b>	<b>12,33,43,933.00</b>	<b>9,13,61,791.00</b>	<b>5,40,05,523.00</b>			<b>23,790.00</b>

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the Balance Sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

**SCHEDULE 3 B (2) OTC Liabilities**

SI No	Name of the Programme	Opening Balance As On 01.04.2024						Transactions During the year		Closing Balance As On 31.03.2025			
		3		4		5		6		7			
		Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.		
1	2	480000.00	-	1742073.00	-	1742073.00	-	480000.00	-	-	-	-	-
1	Digital Teaching & Learning Technology	-	-	-	-	2456875.00	-	480000.00	-	-	-	-	157684.00
2	Educational Media Production for E-Learning	480000.00	-	-	-	-	-	1623138.00	-	-	-	-	97513.00
3	EWERD-OTC-2024-25	-	-	-	-	918548.00	-	-	-	918548.00	-	-	-
4	Integrating ICT Tools for Teaching & Learning	-	-	-	-	-	-	3199899.00	-	-	-	-	-
5	OTC-CCAETE 2024-25	-	-	-	-	-	-	4636574.00	-	-	-	-	-
6	OTC - DEAWT - 2022-23	918548.00	-	-	-	-	-	1358132.00	-	-	-	-	-
7	OTC - DEAWT 2024-25	-	-	-	-	-	-	5529650.00	-	-	-	-	563106.00
8	OTC-ICTET 2024-25	-	-	-	-	-	-	3196205.00	-	-	-	-	371051.00
9	OTC-IIC4.0 21stCSEI-2023-24	1358132.00	-	-	-	-	-	570384.00	-	-	-	-	-
10	OTC-IIC4.0 21stCSEI-2024-25	-	-	-	-	-	-	480000.00	-	-	-	-	-
11	OTC-IITEC-TSILS 2024-25	-	-	-	-	-	-	4359900.00	-	-	-	-	-
12	OTC-IITEC-TSILS 23-24	496261.00	-	-	-	-	-	1164724.00	-	-	-	-	-
13	OTC - REETICI 4.0 2022-23	480000.00	-	-	-	-	-	1749025.00	-	-	-	-	-
14	OTC-REGEPS-2024-25	-	-	-	-	-	-	4220421.00	-	-	-	-	139479.00
15	OTC - STVETS 2022 - 23	1164724.00	-	-	-	-	-	1164724.00	-	-	-	-	-
16	OTC-TVET-SDE-2024-25	-	-	-	-	-	-	1256694.00	-	-	-	-	492331.00
17	OTC - TVET Skill Development in Elecx 2022-23	116770.00	-	-	-	-	-	116770.00	-	-	-	-	-
18	OTC_QAAHEDC23-24	-	-	1640253.00	-	-	-	3460194.00	-	-	-	-	-
19	SRDEI-OTC-23-24	290575.50	-	-	-	-	-	272817.00	-	-	-	-	-
20	TVET SDG-OTC-2024-25	-	-	-	-	-	-	4372050.00	-	-	-	-	39789.00
21	TVET SDG-OTC-23-24	872793.50	-	-	-	-	-	759334.00	-	-	-	-	-
22	TVET T&P-SDE-OTC-23-24	228194.00	-	-	-	-	-	175668.00	-	-	-	-	-
	<b>Total</b>	<b>86,28,071.00</b>	<b>16,40,253.00</b>	<b>3,68,52,284.00</b>	<b>4,12,76,758.00</b>	<b>28,58,330.00</b>	<b>2,94,986.00</b>						

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the Balance Sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

**SCHEDULE 3(C) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS**

Amount in Rupees

	Current Year 2024-25	Previous Year 2023-24
<b>A. Plan grants: Government of India</b>		
Balance B/F	8,16,25,843.20	22,09,76,250.04
Add: Receipts during the year	50,17,00,000.00	24,60,00,000.00
Add: Refund from CPWD	2,87,61,489.00	
<b>Total (a)</b>	<b>61,20,87,332.20</b>	<b>46,69,76,250.04</b>
Less Refunds		
Less: Utilized for Revenue Expenditure	29,48,13,938.35	32,23,89,090.84
Less: Utilized for Capital expenditure	17,99,93,027.00	6,29,61,316.00
Less: Utilised for Deposit to CPWD	5,09,11,666.00	
<b>Total(b)</b>	<b>52,57,18,631.35</b>	<b>38,53,50,406.84</b>
Unutilized carried forward (a-b)	8,63,68,700.85	8,16,25,843.20
<b>B. UGC grants: Plan</b>		
Balance B/F		
Receipts during the year		
<b>Total (c)</b>	<b>NIL</b>	
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
<b>Total (d)</b>	<b>NIL</b>	

Unutilized carried forward (c-d)

<b>C. UGC Grants Non Plan</b>		
Balance B/F		
Receipts during the year		
<b>Total (e)</b>	NIL	
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
<b>Total (f)</b>	NIL	
Unutilized carried forward (e - f)		
<b>D. Grants from State Govt.</b>		
Balance B/F		
Receipts during the year		
<b>Total (g)</b>	NIL	
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
<b>Total (h)</b>	NIL	
<b>Unutilized carried forward (g - h)</b>		
<b>*Grand Total (A+B+C+D)</b>	<b>8,63,68,700.85</b>	<b>8,16,25,843.20</b>

**Notes:-**

- Unutilized grants includes advances on Capital Account
- Unutilized grants include grants received in advance for the next year
- Unutilized grants are represented on the Assets side by Bank balances, Short term Deposits with Banks and Advances on Capital Account

SCHEDULE 4 FIXED ASSETS

Sl. No.	Assets Heads	RATE	GROSS BLOCK				Depreciation			Amount in Rupees			
			Op Balance 01.04.2024	Additions	Deductions	Closing Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total	31.03.25	31.03.24	
1	Land - Free Hold		2,68,500.00	-	-	2,68,500.00	-	-	-	-	-	2,68,500.00	-
2	Site Development	2.00%	44,76,34,316.50	11,63,61,266.00	-	56,39,95,582.50	11,70,63,687.80	1,12,79,911.65	-	12,83,43,599.45	-	43,56,51,983.05	33,05,70,628.70
3	Buildings	5.00%	55,04,564.00	5,27,27,512.00	-	60,31,820.00	47,86,551.85	29,11,603.80	-	76,98,153.65	-	5,05,33,920.35	7,18,012.15
7	Electrical Installation and equipment	5.00%	2,23,40,069.00	46,17,799.00	-	2,29,40,069.00	1,86,32,733.05	11,17,003.45	-	1,77,49,736.50	-	49,90,332.50	57,07,355.95
8	Plant & Machinery	7.50%	5,19,99,993.45	46,17,799.00	-	5,68,17,792.45	2,45,76,914.46	42,61,394.43	-	2,88,38,248.89	-	2,79,79,543.56	2,74,23,078.99
10	Office Equipment	7.50%	1,47,82,664.00	1,12,76,678.00	-	2,60,59,342.00	16,35,394.85	19,54,450.65	-	35,89,845.50	-	2,24,69,496.49	1,31,47,269.15
11	Audio Visual Equipment	20.00%	5,69,60,468.38	4,50,68,868.00	-	10,20,29,356.38	5,13,01,067.66	2,04,05,871.28	-	7,17,06,938.93	-	3,03,22,417.45	56,59,400.72
12	Computers & Peripherals	7.50%	1,38,65,162.88	25,18,271.00	-	1,63,83,433.88	1,12,63,759.68	12,28,757.54	-	1,24,92,517.22	-	38,90,916.66	26,01,403.20
13	Furniture, Fixtures & Fittings	10.00%	43,66,621.22	4,92,500.00	-	48,59,121.22	31,29,994.54	4,85,912.12	-	36,15,846.66	-	12,43,274.56	12,36,686.68
14	Vehicles	10.00%	1,30,68,498.13	-	-	1,30,68,498.13	92,84,093.14	13,06,849.81	-	1,05,90,942.96	-	24,77,555.17	37,84,404.99
15	Lib. Books & Scientific Journals	7.50%	36,29,677.83	6,49,873.00	-	42,79,550.83	5,59,065.12	3,20,966.31	-	8,80,031.43	-	33,99,519.40	30,70,612.71
17	Small Value Assets	5.00%	47,94,439.00	12,27,060.00	-	60,21,499.00	38,96,551.25	2,39,721.95	-	41,38,273.20	-	6,56,165.80	8,95,887.75
18	Other Assets	8.00%	17,84,35,725.35	4,35,68,833.00	-	22,20,048.35	15,25,71,174.59	1,43,73,022.83	-	16,69,44,197.42	-	1,27,18,587.93	2,58,64,550.76
19	Equipments	8.00%	81,76,50,699.74	27,87,28,680.00	-	1,09,63,79,379.74	39,67,02,927.98	34,87,106.64	-	46,00,75,440.45	-	63,63,03,999.28	42,09,47,771.76
20	Scientific and Laboratory Equipment	8.00%	81,76,50,699.74	27,87,28,680.00	-	1,09,63,79,379.74	39,67,02,927.98	34,87,106.64	-	46,00,75,440.45	-	63,63,03,999.28	42,09,47,771.76
Total (A)			17,39,14,543.00	3,91,51,695.00	76543705.00	4,76,32,533.00	-	-	-	4,76,32,533.00	-	17,39,14,543.00	-
20	Capital Work In Progress		-	-	-	-	-	-	-	-	-	-	-
	Class Room Construction WIP		-	-	-	-	-	-	-	-	-	-	-
	Building Renovation WIP		-	-	-	-	-	-	-	-	-	-	-
	Scientific and Laboratory Equipment-WIP		-	-	-	-	-	-	-	-	-	-	-
Total (B)			17,39,14,543.00	3,91,51,695.00	76543705.00	4,76,32,533.00	-	-	-	4,76,32,533.00	-	17,39,14,543.00	-
21	Computer Software	40.00%	1,34,25,559.00	29,99,968.00	-	1,64,25,527.00	1,21,66,794.00	38,85,099.00	-	1,60,51,893.00	-	3,73,634.00	12,58,765.00
22	E-Journals	40.00%	3,09,305.00	1,47,500.00	-	4,56,805.00	2,47,444.00	1,81,722.00	-	4,30,166.00	-	26,639.00	61,861.00
23	Patents		-	-	-	-	-	-	-	-	-	-	-
Total (C)			1,37,34,864.00	31,47,468.00	-	1,68,82,332.00	1,24,14,238.00	40,67,821.00	-	1,64,82,059.00	-	4,00,273.00	13,20,626.00
Grand Total (A+B+C)			1,00,53,00,106.74	34,54,26,732.00	16,54,33,705.00	1,18,52,89,133.74	40,91,17,165.98	6,74,40,333.47	-	47,65,57,499.45	-	70,87,35,634.28	59,61,82,940.76
Swavam			1,00,53,00,106.74	34,54,26,732.00	16,54,33,705.00	1,18,52,89,133.74	40,91,17,165.98	6,74,40,333.47	-	47,65,57,499.45	-	70,87,35,634.28	59,61,82,940.76
1 Audio Visual Equipment			-	-	-	-	-	-	-	-	-	-	-
2 Other Equipment			-	-	-	-	-	-	-	-	-	-	-
Corpus Fund Account			-	-	-	-	-	-	-	-	-	-	-
1 Laptop to Faculties			-	-	-	-	-	-	-	-	-	-	-
Previous Year 2023-24			1,00,53,00,106.74	34,54,26,732.00	16,54,33,705.00	1,18,52,89,133.74	40,91,17,165.98	6,74,40,333.47	-	47,65,57,499.45	-	70,87,35,634.28	59,61,82,940.76
Note: The figure in Column "Deductions" under Gross Block against the head Capital Work In Progress represents the transfer from Work in Progress to Assets during the year.			93,27,94,635.74	9,78,92,656.00	2,50,39,371.00	1,00,53,00,106.74	36,58,31,047.25	4,72,82,745.73	-	39,96,627.00	-	59,61,82,940.75	67,44,87,475.49
The figures in column "Additions during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.			-	-	-	-	-	-	-	-	-	-	-
Note: Assets procured out of Swavam and Corpus Funds transferred to: Main Account in the respective category of Assets and Depreciation accumulated has also been transferred as Addition in the Main Account and shown in Deduction in Swavam and Corpus in the FY 2021-22			-	-	-	-	-	-	-	-	-	-	-
Note: Land Free Hold Rs. 2,68,500 represents the amount paid by the Institute on 06.07.1975 to the Superintendent Engineer, Technical Education Department, Govt. of Tamilnadu towards Development Charges of the land transferred to the Institute by the Govt. of Tamilnadu at free of cost.			-	-	-	-	-	-	-	-	-	-	-
The building has been constructed by the Institute on land of 26.85 Acres allotted by Govt. of Tamilnadu and transferred to the Institute at free of cost.			-	-	-	-	-	-	-	-	-	-	-

**SCHEDULE 4A PLAN**

Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2024-25			Amount in Rupees		
		Op Balance 01.04.2024	Additions	Deductions	CI Balance	Dep	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.2025	31.03.2024
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation and equipment										
8	Plant & Machinery										
9	Scientific & Laboratory Equipment				Nil						
10	Office Equipment										
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
Total (A)											
17	Capital Work in Progress (B)										
S.No	Intangible Assets	Op Balance 01.04.2024	Additions	Deductions	CI Balance	Dep Opening Balance	Amortization for the Year	Deductions / Adjustments	Total Amortization / Adjustments	31.03.2025	31.03.2024
18	Computer Software										
19	E-Journals				Nil						
20	Patents										
Total (C)											
Grand Total (A+B+C)											

**SCHEDULE 4B NON - PLAN**

Amount in Rupees

Sl. No.	Assets Heads	Gross Block			Depreciation for the Year 2024-25				Net Block			
		Op Balance 01.04.2024	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.2025	31.03.2024	
1	Land											
2	Site Development											
3	Buildings											
4	Roads & Bridges											
5	Tubewells & Water Supply											
6	Sewerage & Drainage											
7	Electrical Installation & equipment											
8	Plant & Machinery											
9	Scientific & Laboratory Equipment											
10	Office Equipment			Nil								
11	Audio Visual Equipment											
12	Computers & Peripherals											
13	Furniture, Fixtures & Fittings											
14	Vehicles											
15	Lib. Books & Scientific Journals											
16	Small Value Assets											
<b>Total (A)</b>												
<b>Capital Work in Progress (B)</b>												
<b>Intangible Assets</b>												
18	Computer Software											
19	E-Journals											
20	Patents					Nil						
<b>Total (C)</b>												
<b>Grand Total (A+B+C)</b>												

**SCHEDULE 4 C- INTANGIBLE ASSETS**

Amount in Rupees

Sl. No.	Asset Heads	Gross Block			Depreciation Block				Net Block		
		Op. Balance 01.4.2024	Additions	Deductions	Cl. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03. 2025	31.03. 2024
1	Patents & Copyrights					Nil					
2	Compute- Software										
3	E - Journals										

**SCHEDULE 4(C) (i) PATENTS AND COPYRIGHTS**

Amounts in Rupees.

Particulars	Op. Balance	Addition	Gross	Amortization	Net Block 2024-25	Net Block 2023-24
A. Patents Granted 1 Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs..../-) 2 Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value-Rs..../-) 3 Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs..../-) 4 Patents granted during the Current Year			Nil			
<b>Total</b>						

Particulars	Op. Balance	Addition	Gross	Patents Granted/ Rejected	Net Block 2024-25	Net Block 2023-24
B. Patents Pending in respect of Patents applied for 1 Expenditure incurred during 2009-10 to 2011-12 2 Expenditure incurred during 2012-13 3 Expenditure incurred during 2013-14			Nil			
<b>Total</b>						

<b>C. Grand Total (A+B)</b>						
-----------------------------	--	--	--	--	--	--

Note: The addition in Part A (patents granted), will be the figure of patents granted during the year, transferred from Part B (column - Patents granted/rejected). The amount against grants rejected during the year is written off in the Income and Expenditure Account.

**SCHEDULE 4D OTHERS**

Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2024-25			Net Block		
		Op Balance 01.04.2024	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03. 2025	31.03. 2024
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation and				Nil						
8	Plant & Machinery										
9	Scientific & Laboratory Equipment										
10	Office Equipment										
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
<b>Total:</b>											
17	Capital Work in Progress										
<b>Grand Total</b>											

Note: The additions during the Year include additions from:

Gifted	..
Earmarked Funds	..
Sponsored Projects	..
Own Funds	..
<b>Total</b>	

**SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS**

Amount in Rupees

	Current Year 2024-25	Previous Year 2023-24
1 In Central Government Securities		
2 In State Government Securities		
3 Other approved Securities		
4 Shares		
5 Debentures and Bonds		
6 Term Deposits with Banks	17,81,32,067.00	17,47,84,188.00
7 Others (to be specified)		
<b>Total</b>	<b>17,81,32,067.00</b>	<b>17,47,84,188.00</b>

**SCHEDULE 5 (A) INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS (FUND WISE)**

Sl. No.	Funds	Amount in Rupees	
		Current Year (2024-25)	Previous Year (2023-24)
1	NITTR CHENNAI RESERVES	5,43,56,074.00	5,22,84,188.00
2	NITTR CHENNAI CORPUS FUND	12,37,75,993.00	12,25,00,000.00
3			
4			
5	<b>Endowment Fund Investments</b>		
	<b>Total</b>	<b>17,81,32,067.00</b>	<b>17,47,84,188.00</b>

Note: The Total in this sub schedule will agree with the total in Schedule 5.

**SCHEDULE 6 - INVESTMENTS - OTHERS**

	Amount in Rupees	
	Current Year 2024-25	Previous Year 2023-24
1. In Central Government Securities		
2. In State Government Securities		
3. Other approved Securities		
4. Shares		
5. Debentures and Bonds		
6. Others (to be specified)		
<b>TOTAL</b>		

**SCHEDULE 7 - CURRENT ASSETS**

Amount in Rupees

	<b>Current Year 2024-25</b>	<b>Previous Year 2023-24</b>
<b>1. Stock:</b>		
a) Stores and Spares		
b) Loose Tools		
c) Publications		
d) Laboratory chemicals, consumables and glass ware		
e) Building Material		
f) Electrical Material	-	93,411.39
g) Stationery	7,76,596.00	2,56,577.00
h) Water supply material		
i) Postage	11,919.00	11,919.00
<b>2. Sundry Debtors:</b>		
a) Debts Outstanding for a period exceeding six months		
b) Others : ME Examination fee receivable	1,21,472.00	96,572.00
<b>3. Closing Cash and Bank Balances :</b>		
<b>a) With Scheduled Banks:</b>		
In Current Accounts		
In term deposit Accounts		
In Savings Accounts		
In Cash Balance (Misc)		
In Bank Balance	37,65,57,437.13	32,81,41,569.87
In Bank Balance - Statutory payment (CD A/c 3001)		
In Bank Balance Rajiv Gandhi National Fellowship		
In Bank Balance Athletic		
<b>Fund Transfer</b>		
AXIS Bank OTC Transfer	-	-
CANARA Bank OTC Transfer	-	-
<b>b) With non-Scheduled Banks:</b>		
- In term deposit Accounts		
- In Savings Accounts		
<b>4. GST RECEIVABLE</b>	32,335.00	503.00
<b>TOTAL</b>	<b>37,74,99,759.13</b>	<b>32,86,00,552.26</b>

**Note:** Annexure A shows the details of Bank Accounts

**Bank balances of OTC, Project, Corpus and Swayam Funds are included in the Bank Balance**

Details of Bank Accounts - Main and Other Accounts

S. No.	Name of the Bank	Bank Account Number	Schedule No	Closing balance as on 31.03.2025 (Rs.)
	<b>MAIN ACCOUNT</b>			
1	Canara Bank	2649201000193		18,30,684.41
2	State Bank of India	0039917422888		12,92,40,087.06
3	Canara Bank	2649101010260		-
4	SBI FD -SDR Account			6,25,80,818.00
				<b>19,36,51,589.47</b>
	<b>NON-GRANT ACCOUNTS</b>			
5	Indian Overseas Bank	041801000000101		86,30,466.75
6	Indian Overseas Bank - SDR (Project)			1,00,50,000.00
7	Canara Bank	2649101010094		30,82,716.40
8	SBI - SDR- OTC			2,23,98,320.00
9	SBI SB	0040626852130		8,53,76,246.42
10	FD Corpus Fund (IOB)-30101			12,37,75,993.00
11	Indian Overseas Bank	041801000000099		3,14,18,306.36
12	Central Bank of India FD A/c			1,99,00,000.00
13	IOB FD - SDR A/c			5,43,56,074.00
14	Bank of India - SDR			-
15	Canara Bank	2649101010177		3,44,960.00
16	Indian Overseas Bank	041802000000001		55,051.54
17	Indian Overseas Bank (ECB)	001101000008751		16,49,780.19
18	Indian Overseas Bank (ECH)	010710200000940		-
19	Indian Overseas Bank (ECK)	149602000000121		-
20	ICICI - 493	000039950100493		-
21	ICICI - 708	000399505000708		-
				36,10,37,914.66
	<b>Grand Total</b>			<b>55,46,89,504.13</b>

**SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS**

Amount in Rupees

	Current Year 2024-25	Previous Year 2023-24
1. Advances to employees: (Non-interest bearing)		
a) Medical Advance		
b) Other (to be specified)		
Computer Advance	20,000.00	63,000.00
Conveyance Advance		
LTC Advance		
Other Employee Loans & Advances		
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan		
b) Home loan : House building advance	-	24,150.00
c) Others (to be specified) Other staff		
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) Local Purchase Advance		
b) Local Purchase Advance - Non Grant	65,672.00	65,619.00
c) LTC Advance		
4. Prepaid Expenses		
a) Insurance	7,153.00	7,153.00
b) E Journal Subscription		
c) AMC Lab and Office Equipment	9,600.00	3,31,775.00
d) Other prepaid expenses	3,31,775.00	
5. Deposits		
a) Telephone	90,629.00	90,629.00
b) Lease Rent		
c) Electricity	8,35,989.00	7,41,676.00
d) AICTE, if applicable		
e) Security Deposit NLC	-	-
Community Hall Deposit		
Security Deposit with Industry		
Security Deposit with MES	4,14,520.00	4,14,520.00
EC Security Deposit		
ECH Deposit	1,000.00	1,000.00
Deposit with SE PWD		
Deposit Vehicle Maintenance	5,000.00	5,000.00
Deposit with CPWD	7,57,84,992.00	7,64,76,447.00
Refundable Deposit with CPWD for Completed Projects	2,70,00,307.00	
Deposit with Indian Oil Corporation	10,700.00	10,700.00
Deposit with Post Office	100.00	100.00
Deposit with Fuel Firm	15,000.00	15,000.00
Deposit with Court	10,69,349.00	10,69,349.00
Deposit - Stationery		
Deposit - ECV		
MLNN Deposit	10,000.00	10,000.00
6. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds		
b) On Investments-Others	51,42,319.00	64,99,057.00
c) On Loans and Advances		
d) Others (includes income due unrealized)		
7. Other - Current assets receivable from UGC/sponsored projects		
c) AMC Lab and Office Equipment		
b) Debit balances in Sponsored Fellowships & Scholarships	8,00,045.00	16,40,253.00
c) Grants Receivable		-
d) Amount Receivable from NITTTR OWP	5,30,175.00	5,22,750.00
e) Income receivable	3,44,848.00	3,22,500.00
f) Refund due from IT towards TDS	12,37,590.19	7,46,629.54
8. Claims Receivable		
OTC DUE FROM THE MINISTRY FOR THE COMPLETED COURSE		
<b>TOTAL</b>	<b>11,37,26,763.19</b>	<b>8,90,57,307.54</b>

**SCHEDULE 9 - ACADEMIC RECEIPTS**

Amount in Rupees

	Current Year 2024-25	Previous Year 2023-24
<b>FEES FROM STUDENTS</b>		
<b>Academic</b>		
<b>1. Tuition fee:</b>		
Tuition fee Ph.D	7,78,110.00	37,000.00
Tuition fee M.E/M.Tech	25,20,675.00	
<b>2. Admission fee:</b>		
Admission fee Ph.D	5,55,000.00	14,06,680.00
Admission fee M.E/M.Tech	25,85,050.00	
<b>3. Other fee Ph.D</b>		
Other fee Ph.D	3,70,000.00	-
Other fee M.E/M.Tech	11,78,825.00	-
4. Entrance exam Fee	2,96,000.00	-
5. Library Admission fee	-	-
6. Laboratory fee	-	-
7. Art & Craft fee	-	-
8. Registration fee	-	-
9. ME Sports fee	6,150.00	-
<b>Total (A)</b>	<b>82,89,810.00</b>	<b>14,43,680.00</b>
<b>Examinations</b>		
1. Admission test fee	-	-
2. Annual Examination fee	-	-
3. Mark sheet, certificate fee	-	-
4. Entrance examination fee	-	-
<b>Total (B)</b>	<b>-</b>	<b>-</b>
<b>Other Fees</b>		
1. Identity card fee	-	-
2. Fine/ Miscellaneous fees	300.00	-
3. Medical fee	-	-
4. Transportation fee	-	-
5. Hostel fee	-	-
6. Duplicate certificate fee	1,600.00	-
<b>Total (C)</b>	<b>1,900.00</b>	<b>-</b>
<b>Sale of Publications</b>		
1. Sale of Admission/Application forms	3,31,650.00	1,38,500.00
2. Sale of syllabus and Question Paper, etc.	-	-
3. Sale of prospectus including admission forms	-	-
<b>Total (D)</b>	<b>3,31,650.00</b>	<b>1,38,500.00</b>
<b>Other Academic Receipts</b>		
1. Registration fee for workshops, programmes	-	-
2. Registration fees (Academic Staff College)	-	-
3. IDDS Revenue Receipts	-	-
<b>Total (E)</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL (A+B+C+D+E)</b>	<b>86,23,360.00</b>	<b>15,82,180.00</b>

**Note:**

In case fees like entrance fee, subscriptions etc are material and are in the nature of capital receipts, such amount should be recognized to the Capital Fund. Otherwise such fees will be appropriately incorporated in this schedule

**SCHEDULE 10 - GRANTS / SUBSIDIES ( IRREVOCABLE GRANTS RECEIVED)**

Amount in Rupees

Particulars	GOVERNMENT OF INDIA			Current Year Total 2024-25	Previous Year Total 2023-24
	OH-35	OH - 31	OH - 36		
Balance B/F	5,30,32,870.22	(74,53,182.65)	3,57,66,155.63	8,13,45,843.20	22,09,76,250.04
Add: Receipts during the year	18,00,00,000.00	10,17,00,000.00	22,00,00,000.00	50,17,00,000.00	24,60,00,000.00
Add: Refund from CPWD	2,87,61,489.00				
Add: Revenue Advance (Reconciled)		4,00,000.00			
Less: Revenue Advance (Reconciled)			1,20,000.00		
<b>Total</b>	<b>26,17,94,359.22</b>	<b>9,46,46,817.35</b>	<b>25,56,46,155.63</b>	<b>61,20,87,332.20</b>	<b>46,69,76,250.04</b>
Less: Refund to UGC				-	
Balance	26,17,94,359.22	9,46,46,817.35	25,56,46,155.63	61,20,87,332.20	46,69,76,250.04
Less: Utilised for Capital expenditure (A)	17,99,93,027.00	-	-	17,99,93,027.00	6,29,61,316.00
Less: Utilised for Deposit to CPWD	5,09,11,666.00	-	-	5,09,11,666.00	
Balance	3,08,89,666.22	9,46,46,817.35	25,56,46,155.63	38,11,82,639.20	40,40,14,934.04
Less: utilized for Revenue Expenditure (B)		9,46,46,817.35	20,01,67,121.00	29,48,13,938.35	32,23,89,090.84
Less: utilized for Capital / Revenue Advance (C)				-	80,000.00
Balance C/F (C)	3,08,89,666.22	-	5,54,79,034.63	8,63,68,700.85	8,13,45,843.20

Note: Total Revenue Expenditure under OH-31 is Rs. 15,05,33,246.84. of which Rs. 9,46,46,817.35 utilized from Government Grants and Rs. 5,58,86,429.49 Utilized from Reserve and Surplus (IRG) of the Institute.

A- Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B- Appears as income in the Income & Expenditure Account.

C- Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.

**SCHEDULE 11 - INCOME FROM INVESTMENTS**

Particulars	Amount in Rupees			
	Earmarked / Endowment Funds		Other Investments	
	Current Year 2024-25	Previous Year 2023-24	Current Year 2024-25	Previous Year 2023-24
1. Interest				
a. On Government Securities	-	-	-	-
b. Other Bonds/Debentures	-	-	-	-
2. Interest on Term Deposits/SFD	-	-	-	-
Less: Accrued Interest of last year	-	-	-	-
3. Income accrued but not due on Term Deposits/ Interest bearing advances to employees	-	-	-	-
4. Interest on Savings Bank Accounts including FFD Interest	-	-	-	-
Total	-	-	-	-
Transferred to Earmarked/Endowment Funds	-	-	-	-
Balance	Nil	Nil	Nil	Nil

**SCHEDULE 12:- INTEREST EARNED**

Particulars	Amount in Rupees	
	Current Year 2024-25	Previous Year 2023-24
1. On Savings Accounts with scheduled banks	-	-
2 On Loans	-	-
a. Employees/Staff	-	-
b. Others : i) Interest on Conveyance Advance	-	-
ii) Interest on Computer Advance	16,172.00	-
ii) Interest on HBA	4,06,120.00	-
3. Others - Penal Interest Collected From Staff	-	-
<b>Total</b>	<b>4,22,292.00</b>	<b>-</b>

**Note:**

1. The amount against item 1, in respect of Bank Accounts of Earmarked/Endowment Funds is dealt with in Schedule 11 (First Part) and Schedule 2.
2. item 2(a) is applicable only if Revolving funds have not been constituted for such advances.

**SCHEDULE 13- OTHER INCOME**

- Items of material amounts included in Miscellaneous Income should be separately disclosed.

Amount in Rupees

<b>A. Income from Land &amp; Buildings</b>	<b>Current Year 2024-25</b>	<b>Previous Year 2023-24</b>
1. Hostel Room Rent	11,21,304.82	2,44,500.00
2. License fee	3,96,114.00	2,67,633.00
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc	1,69,106.78	3,82,896.00
4. Electricity charges recovered		218.00
5. Water charges recovered	8,098.00	6,008.00
6. Tender Fees		
7. Staff Quarters Rent	1,75,978.00	2,90,424.00
8. Guest House Room Rent	18,85,907.14	26,15,577.00
9. ATM Rent	1,08,864.00	
10. Community Hall Rent		
<b>Total - A</b>	<b>38,65,372.74</b>	<b>38,07,256.00</b>
<b>B. Sale of institute's publications</b>		
1. Sale of Books and CD's		750.00
<b>Total - B</b>	<b>-</b>	<b>750.00</b>
<b>C. Income from holding events</b>		
1. Gross Receipts from annual function/ sports carnival		
Less: Direct expenditure incurred on the annual function/ sports carnival		
2. Gross Receipts from fetes (Workshops, Seminars, etc.)	-	-
Less: Direct expenditure incurred on the fetes (Workshops, Seminars, etc.)	-	-
Net	-	-
3. Gross Receipts for educational tours		
4. Others : Remn to instiuite Faculty staff		
Institute Overhead Project & Trg Programmes	-	-
Faculty Development Prog		
IDDS	-	-
Misc Revenue Receipts	3,63,183.79	1,49,092.44
<b>Total - C</b>	<b>3,63,183.79</b>	<b>1,49,092.44</b>
<b>D. Others</b>		
1. Income from consultancy		
2. RTI fees	40.00	50.00
3. Class Room Charges	1,30,000.00	1,55,000.00
4. Sale of application form (recruitment)		
5. Misc. receipts (Sale of tender form, waste paper, etc.)		
Machinery scrap items		
6. Profit on Sale/disposal of Assets		
a) Owned assets	5,000.00	7,26,435.00
b) Assets received free of cost		
7. Grants/Donations from Institutions, Welfare Bodies and International Sponsorship for Diamond Jubilee Celebration	2,55,001.00	
8 Others (specify)		
TGH Mess Income	28,37,679.90	
OTC Accomodation	71,74,500.00	
Training Cordination Fees	18,70,847.39	13,94,372.00
Souvenir Shop	2,994.00	
Charges received for training programme	4,57,461.40	
Mess Dues	50,020.00	
<b>Total - D</b>	<b>1,27,83,543.69</b>	<b>22,75,857.00</b>
<b>Grand Total (A+B+C+D)</b>	<b>1,70,12,100.22</b>	<b>62,32,955.44</b>

**SCHEDULE 14 - PRIOR PERIOD INCOME**

Amount in Rupees

<b>Particulars</b>	<b>Current Year 2024-25</b>	<b>Previous Year 2023-24</b>
1. Academic Receipts		
2. Income from Investments		
3. Interest earned (EB Meter Caution Deposit)		
Staff Quarters Rent		
Guest House Room Rent		
Hostel Room Rent		
4. Other Income	77,91,991.19	15,294.00
<b>Total</b>	<b>77,91,991.19</b>	<b>15,294.00</b>

NOTE: Excess Provision Written back  
Income Tax Refund

**SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)**

	Amount in Rupees			
	Current Year 2024-25		Previous Year 2023-24	
		Total		Total
a) Salaries and Wages	-	16,95,95,027.00	14,16,83,284.00	14,16,83,284.00
b) Allowances and Bonus(Adhoc Bonus)		-		
c) Contribution to Provident Fund		-		
d) Contribution to Other Fund (specify)		-		
e) Staff Welfare Expenses		-		
f) Retirement and Terminal Benefits		-		
g) LTC facility		2,94,494.00	1,87,235.00	1,87,235.00
h) Medical facility/Reimbursement		2,87,800.00	7,19,502.00	7,19,502.00
i) Children Education Allowance		14,00,129.00	9,87,750.00	9,87,750.00
j) Others		-		
1) Others: Professional Development Allowance		3,24,929.00	9,25,211.00	9,25,211.00
2) Uniform Allowance		10,000.00	15,000.00	15,000.00
3) Transport Allowance Recovery		-	-	-
<b>TOTAL</b>		<b>17,19,12,379.00</b>	<b>14,45,17,982.00</b>	<b>14,45,17,982.00</b>

**SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFITS**

		Amount in Rupees			
Opening Balance as on 01.04.2024	Pension	Gratuity	Leave Encashment	Total	
<b>Addition: Capitalized value of Contributions Received from other Organizations</b>					
Total (a)	1,16,71,29,082.00	5,95,28,440.00	7,55,32,395.00	1,30,21,89,917.00	
Less: Actual Payment during the Year (b)	7,82,13,162.00	1,10,05,038.00	97,25,921.00	9,89,44,121.00	
Balance Available on 31.03 c (a-b)	1,08,89,15,920.00	4,85,23,402.00	6,58,06,474.00	1,20,32,45,796.00	
Provision required on 31.03 as per Actuarial Valuation (d)	1,28,56,24,467.00	6,16,86,897.00	7,99,42,685.00	1,42,72,54,049.00	
A. Provision to be made in the Current year (d - c)	19,67,08,547.00	1,31,63,495.00	1,41,36,211.00	22,40,08,253.00	
B. Contribution to New Pension Scheme	95,90,370.00			95,90,370.00	
C. Medical Reimbursement to Retired Employees	-			-	
D. Travel to Hometown on Retirement	1,08,820.00			1,08,820.00	
E. Deposit Linked Insurance Payment	-			-	
F. Commutation of Pension	75,23,783.00			75,23,783.00	
G. Leave salary and pension contribution	2,77,007.00			2,77,007.00	
<b>Total (A+B+C+D+E)</b>	<b>21,42,08,527.00</b>	<b>1,31,63,495.00</b>	<b>1,41,36,211.00</b>	<b>24,15,08,233.00</b>	

**Note:**

1. The total (A+B+C+D+E) in this sub Schedule will be the figure against Retirement and Terminal Benefits in Schedule 15.
2. Items B, C, D & E will be accounted on accrual basis and will include bills preferred but outstanding for payment on 31/3.

**SCHEDULE 16 - ACADEMIC EXPENSES**

Amount in Rupees

	Current Year 2024-25			Previous Year 2023-24		
			Total			Total
a) Laboratory expenses			-			-
b) Field work/Participation in Conferences			-			-
c) Expenses on Seminars/Workshops			-			-
d) Payment to visiting faculty		-	-		-	-
e) Examination			-			-
f) Student Welfare expenses			-			-
g) Admission expenses			-			-
h) Convocation expenses			-			-
i) Publications			-			-
j) Stipend/means-cum-merit scholarship			-			-
k) Subscription Expenses		-	-		-	-
l) Others (specify)		-	-		8,65,000.00	8,65,000.00
<b>TOTAL</b>		-	-		8,65,000.00	8,65,000.00

**SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES**

Amount in Rupees

	Current Year 2024-25		Previous Year 2023-24	
		Total		Total
<b>A Infrastructure</b>		-		-
a) Electricity and power	61,95,629.00	61,95,629.00	59,79,485.00	59,79,485.00
b) Water charges	12,92,579.00	12,92,579.00	11,81,571.00	11,81,571.00
c) Insurance	34,175.00	34,175.00	1,11,274.00	1,11,274.00
d) Rent, Rates and Taxes (including property tax)	-	-	-	-
Property Tax	-	-	-	-
Service Tax	-	-	-	-
Water Tax	55,169.00	55,169.00	59,365.00	59,365.00
<b>B Communication</b>		-		-
e) Postage	70,877.00	70,877.00	58,346.00	58,346.00
f) Telephone, Fax and Internet Charges	2,51,132.00	2,51,132.00	2,26,220.00	2,26,220.00
<b>C Others</b>		-		-
g) Printing and Stationery	-	-	-	-
h) Travelling and Conveyance Expenses	-	-	-	-
i) Expenditure on FC/BOG	-	-	-	-
j) Audit Fees	3,97,340.00	3,97,340.00	-	-
k) Professional Charges : Legal Charges	1,96,000.00	1,96,000.00	7,83,200.00	7,83,200.00
l) Advertisement and Publicity	8,29,010.00	8,29,010.00	14,04,119.00	14,04,119.00
m) Magazines & Journals	-	-	-	-
n) Others : Repairs	4,44,303.00	4,44,303.00	3,97,723.00	3,97,723.00
o) Fellowship to Research Scholars	6,00,000.00	6,00,000.00	4,55,833.00	4,55,833.00
Contingencies	10,29,047.14	10,29,047.14	2,13,79,117.24	2,13,79,117.24
Security Charges	1,25,80,139.00	1,25,80,139.00	1,19,53,839.00	1,19,53,839.00
Bank Charges	3,591.70	3,591.70	855.60	855.60
Celebrations	5,11,457.00	5,11,457.00	1,69,901.00	1,69,901.00
Consultant remuneration	19,93,330.00	19,93,330.00	-	-
Dispensary Medicine Expenses	20,926.00	20,926.00	-	-
Travelling & Conveyance	29,34,741.00	29,34,741.00	28,08,463.00	28,08,463.00
Medicines for Dispensary	-	-	-	-
Foundation Day Celebration	-	-	2,89,793.00	2,89,793.00
Staff Development Programme	58,27,149.00	58,27,149.00	44,49,269.00	44,49,269.00
Stipend to Apprenticeship Trainees	54,000.00	54,000.00	3,60,000.00	3,60,000.00
Development Expenses	25,38,657.00	25,38,657.00	32,000.00	32,000.00
Periodicals	72,482.00	72,482.00	2,40,360.00	2,40,360.00
Printing & Stationery	4,81,340.00	4,81,340.00	3,85,581.00	3,85,581.00
Maintenance of Lab / Office Equipments	17,47,373.00	17,47,373.00	24,92,695.00	24,92,695.00
Remuneration to Guest Lecturers	9,67,000.00	9,67,000.00	15,58,000.00	15,58,000.00
Consumables for Lab	57,637.00	57,637.00	498.00	498.00
Sports Fit India Activities	-	-	-	-
Inter Sports Meet	-	-	8,742.00	8,742.00
Housekeeping Services	1,22,26,749.00	1,22,26,749.00	1,22,41,537.00	1,22,41,537.00
Manpower outsourcing expenses	35,83,797.00	35,83,797.00	-	-
<b>TOTAL</b>	<b>5,69,95,629.84</b>	<b>5,69,95,629.84</b>	<b>6,90,27,786.84</b>	<b>6,90,27,786.84</b>

Note: Google Workspace License and HED Education License taken as Maintenance of Office / Lab equipment instead of Subscription expenses (Schedule -16)

**SCHEDULE 18- TRANSPORTATION EXPENSES**

Particulars	Current Year 2024-25		Previous Year 2023-24	
		Total		Total
1 Vehicles (owned by institution)		-		-
a) Running expenses	2,80,238.00	2,80,238.00	3,24,485.00	3,24,485.00
b) Repairs & maintenance	74,331.00	74,331.00	1,42,894.00	1,42,894.00
c) Insurance expenses	19,391.00	19,391.00	25,795.00	25,795.00
2 Vehicles taken on rent/lease		-		-
a) Rent/lease expenses		-		-
3 Vehicle (Taxi) hiring expenses	4,64,708.00	4,64,708.00	7,32,029.00	7,32,029.00
<b>Total</b>		<b>8,38,668.00</b>		<b>12,25,203.00</b>

**SCHEDULE 19 - REPAIRS & MAINTENANCE**

Particulars	Amount in Rupees				
	Current Year 2024-25			Previous Year 2023-24	
			Total		Total
a) Buildings	4,78,336.00		4,78,336.00	10,26,548.00	10,26,548.00
b) Furniture & Fixtures	1,500.00		1,500.00	5,300.00	5,300.00
c) Plant & Machinery			-		-
d) Office Equipment : A C			-		-
e) Computers	20,000.00		20,000.00	33,742.00	33,742.00
f) Laboratory & Scientific equipment			-		-
g) Audio Visual equipment			-		-
h) Cleaning Material & Services	5,67,923.00		5,67,923.00	3,33,738.00	3,33,738.00
i) Book binding charges			-		-
j) Gardening (Landscape )			-	40,691.00	40,691.00
k) Estate Maintenance : Trainees Guest House			-		-
l) Others : Guest House Expenditure	11,79,645.00		11,79,645.00	4,27,054.00	4,27,054.00
m) Electrical Maintenance	1603538.39		16,03,538.39	14,55,690.61	14,55,690.61
n) Trainees Guest House			-	82,993.00	82,993.00
<b>TOTAL</b>			<b>38,50,942.39</b>	<b>34,05,756.61</b>	<b>34,05,756.61</b>

**SCHEDULE 20 - FINANCE COSTS**

Amount in Rupees

Particulars	Current Year 2024-25			Previous Year 2023-24		
			Total			Total
a) Bank charges	-	-	-	-	-	-
b) Others: Interest on Service Tax	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-

**Note:-**

If the amount is not material, the head Bank charges could be omitted and these could be accounted as Administrative expenses in Schedule 17.

**SCHEDULE 21 - OTHER EXPENSES**

Amount in Rupees

Particulars	Current Year 2024-25			Previous Year 2023-24		
			Total			Total
a) Provision for Bad and Doubtful Debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balances Written - off	-	-	-	-	-	-
c) Grants/Subsidies to other institutions/organizations	-	-	-	-	-	-
d) Others (specify)	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:-

Other expenses shall be classified as writes - off, provisions, miscellaneous expenses, loss on sale of investments, loss of fixed assets and loss on sale of fixed assets etc and disclosed accordingly.

**SCHEDULE 22: PRIOR PERIOD EXPENSES**

Amount in Rupees

Particulars	Current Year 2024-25			Previous Year 2023-24		
			Total			Total
1 Establishment expenses			-			-
2 Academic expenses						-
3 Administrative expenses		2,32,040.00	2,32,040.00			-
4 Transportation expenses			-			-
5 Repairs & Maintenance			-			-
6. Depreciation		-	-		-	-
7 Other expenses		-	-		38,47,707.00	38,47,707.00
<b>Total</b>	-	<b>2,32,040.00</b>	<b>2,32,040.00</b>	-	<b>38,47,707.00</b>	<b>38,47,707.00</b>

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

**SCHEDULE - 23: SIGNIFICANT ACCOUNTING POLICIES**

- The Accounts have been maintained in the format as prescribed by the Government of India, Ministry of Human Resource Development
- The Accounts have been prepared on accrual basis.
- Depreciation on fixed Assets has been provided on Straight Line value method, at the following rates:

<b>Sl. No.</b>	<b>Name of the Asset</b>	<b>Depreciation rate</b>
1	Land	0.00%
2	Building	2.00%
3	Electrical Installation and Equipment	5.00%
4	Plant and Machinery	5.00%
5	Office Equipment	7.50%
6	Computer and Peripherals	20.00%
7	Furniture, Fixtures and Fittings	7.50%
8	Vehicles	10.00%
9	Library Books and Scientific Journals	10.00%
10	Small Value Assets	7.50%
11	Other Assets	5.00%
12	Equipments	8.00%
13	Scientific and Laboratory Equipment	8.00%

- The Fixed Assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.

The fixed assets (which are not returnable to the Grantee) purchased out of Externally funded Projects and Programmes are booked by Credit to Capital fund and merged with Fixed assets of the Institution.

- Expenditure on purchase of stores is accounted as revenue expenditure, except that the value of closing stock held on 31st March is set up as inventories by reducing the corresponding Revenue Expenditure on the basis of information obtained from Departments. They are valued at cost. The same treatment is carried out for the balance available in the Franking machine (Postage),

- The Institute receives grants-in-aid from Government of India under,
  - In OH-31 – pension to retirees, travelling expense for training of technical teachers, purchase of stores and maintenance and all recurring expense other than salaries of employees
  - OH-35 - Creation of Capital Assets, and
  - OH 36 - to meet the expenditure on salaries of employees, respectively against Institute's annual budget.

The funds, if remained unutilized at the end of the financial year, are carried over to the following financial year with the approval of the Government of India.

- For specific projects, where terms and conditions so specified by the grantee, unspent balance/funds, if any, are refunded to the concerned sponsoring agencies/departments after the completion of the respective Project.
- Institute receives funds against Sponsored Programme which are shown as deposits in Schedule 3a. The Institute recognizes the unspent balance of these sponsored programme as its income on completion of Programme and taken to the Reserves and Surplus.
- Institute makes provision of Pay and Allowances, cost of stores and consumables, Cost of security, man power, house Keeping etc. Accrued Income like interest etc. are shown in the Asset side.
- Gratuity, pension and leave encashment are provided based on the Actuarial valuation as on 31-3-25 and the Total liabilities for the each items as on 31-3-25 are shown under the head Provisions in liabilities side of the Balance sheet.
- Corpus Fund and Reserve and Surplus have been created based on the approval of the Finance Committee and BOG.

The following receipts shall be credited to the NITTTR Chennai Reserves and Surplus

- a) Donation
- b) Tuition fee collected from the students/scholars of OTC, Sponsored Training Programme, special courses, other courses etc., excluding PG Programme.
- c) Overhead charges of Projects, OTC, SWAYAM and any other events/workshops/Training Programmes / funds etc.
- d) Surplus of conference, workshop and other events conducted by the institute.
- e) The unspent balance of completed Projects, OTC, SWAYAM and any other events/ workshops / Training Programmes / funds if not required to be refunded to the funding agency.
- f) Testing and Analytical Charges.

- g) Job Work Charges.
  - h) Other technical services rendered using the institute infrastructure / manpower.
  - i) Interest on investment of Corpus fund, NITTTR Chennai Reserve Funds, Project Funds, OTC Funds, SWAYAM Funds and other funds other than Government Grant and Government Grant in aid Projects.
  - j) Any other receipt other than Government grant / loan and interest from deposit of Government grant / loan.
2. Utilization of NITTTR Chennai Reserves and Surplus: The NITTTR Chennai Reserve and Surplus Funds shall be permitted to be utilized for the following expenditure.
- I. Capital Expenditure
    - a. Scientific and lab equipment
    - b. Computer & Peripherals and Software
    - c. Office equipment
    - d. Library books
    - e. Workshop machinery
    - f. Furniture
    - g. Capital works (Civil and Electrical)
  - II. Revenue Expenditure
    - a. Laboratory consumable
    - b. Computer consumable
    - c. Pay and Allowances
    - d. Conference/Seminar/Human Resource Development expenditure
    - e. Repair and Maintenance.
    - f. Travelling Allowances for travel pertaining to institute activity
    - g. Contingency for the institute activity
    - h. Advertisement expenditure pertaining to institute activity
    - i. Any other expenditure required for development of the institute as decided by the Director.
- The Financial Statement does not include Accounts of NITTTR Web Portal Account, NITTTR Swayam and GPF account as the Institute do not possess the complete ownership of these Accounts and hence separate Annual Accounts are prepared.
  - As this Institute is exempted from the Income Tax under Section 10(23C)(iiiab), provision is not made for Income Tax.

**SCHEDULE - 24: NOTES ON ACCOUNTS**

**Financial Year 2024-25**

1. In respect of
  - 1.1 Bank guarantees / LC given by / on behalf of the Institute - NIL
2. Contingent Liability – Land lease due of Rs. 1,22,79,756/- is payable by the Institute to the Government of Kerala for the space occupied by Extension Centre, Kalamassery, Kochi. However, the Institute had taken up the issue of waiver of the above Lease rent with the appropriate authorities. Since it is not yet waived, the liability should be disclosed in Schedule 24.
3. The balance sheet statement of 1978 - 1979 serves as the foundation for the Land: Free Hold shown under Schedule 4 Fixed Assets of the balance sheet. The balance sheet for the years 1978 - 1979 reveals that a Fixed Asset item was shown as Land Development of Rs. 2,68,500. This item with the same name carried forward until the year 2005 - 2006. In 2006 - 2007 the institution classified this amount as a nominal value of the land and took it as Land: Free Hold on the basis of this previous classification. The same has continued till date.
4. Taxation  
In view of there being no taxable Income under Income Tax Act 1961 no provision for Income Tax has been considered necessary.  
The Institute is exempted from TDS against the income of institute in the nature of Fees and charges received from the students only. In this connection, relevant Section 10(23c)(iiiab) of IT Act 1961 is quoted below:  
“Any University or other educational institution solely for educational purposes and not for purposes of profit and which is wholly or substantially financed by the Government is exempted from Income Tax”.
5. Corresponding figures for the previous year have been regrouped / rearranged whenever necessary.
6. Schedules 1 to 24 are annexed to and form as Integral part of the Balance Sheet as at 31.03.2025 and Income and Expenditure.
7. NPS amount with interest has been uploaded and remitted in NSDL account. There are 104 Staff members under NPS. 99 staff members are having PRAN and PRAN of 5 staff members is under process as at 31.03.2025.
8. Financial statements of Main Account are prepared on accrual basis.

9. Accounts of OTC, Project and SWAYAM and Corpus have now been merged with the Main Account as per the approval of Director and ratified by the Finance Committee. Therefore, there was no separate Balance Sheets for the above account from 2022-23 onwards.
10. The interest on deposits are accounted on accrual basis.
11. Reconciliation of CPWD Accounts has been done and tallied with the Utilization Certificate furnished by CPWD.
12. According to MHRD format Schedule 23 is not available. However, the Annual Accounts of this Institute have been preparing schedule 23 in which General Expenses were depicted. Based on the Audit comments Schedule 23 has now been removed and all the current year and previous year expenditures have been transferred to Schedule 17 and Schedule 19 in the respective expenditure heads.
13. NITTTR Chennai is having 4 Extension Centres namely 1. Bangalore, 2. Hyderabad, 3. Kalamassery, 4. Vijayawada. The revenue expenditure and capital expenditure of the extension centres are maintained by the NITTTR Chennai Head Quarters.
14. In view of the above change, Schedule containing Significant Accounting Policies and Notes on Accounts have been renumbered as 23 and 24 respectively.

**NATIONAL INSTITUTE OF  
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**RECEIPTS AND PAYMENTS ACCOUNT**

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, TARAMANI, CHENNAI - 600 113**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2024-25**

RECEIPTS	Current Year 2024-25	Previous Year 2023-24	PAYMENTS	Current Year 2024-25	Previous Year 2023-24
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash Balances	-	-	a) Establishment Expenses	27,27,44,486.00	23,39,69,860.00
b) Bank Balance			b) Academic Expenses	-	8,65,000.00
i) In Current Amounts	76,39,126.15	13,01,843.75	c) Administrative Expenses	5,83,47,866.84	6,71,45,867.84
ii) In Deposit Accounts	28,39,48,909.00	28,24,06,805.00	d) Transportation Expenses	8,39,344.00	12,64,800.00
iii) Savings Accounts	21,13,37,722.72	32,02,29,484.10	e) Repairs & Maintenance	36,50,405.00	38,61,143.00
<b>II. Grants Received</b>			f) Prior period expenses	-	14,50,560.00
a) From Central Government			g) General Expenditure	-	-
for Revenue Expenditure	32,17,00,000.00	21,60,00,000.00	<b>II. Payments against Earmarked/Endowment Funds</b>	3,41,279.00	-
for Capital Expenditure	18,00,00,000.00	3,00,00,000.00			
b) From State Government	-	-	<b>III. Payments against Sponsored Projects/Schemes</b>		
c) From other sources - Grants Receivable	-	-	Amount receivable from NITTT OWP	24,50,283.00	-
(Grants for capital & revenue exp/ to be shown separately, if available)					
<b>III. Academic Receipts</b>	<b>96,69,160.00</b>		<b>IV. Payments against Sponsored Fellowships/Scholarships</b>		
<b>IV. Receipts against Earmarked/Endowment Funds/Corpus fund</b>	<b>1,96,68,257.00</b>		Deposit on account of externally funded projects	6,02,58,360.00	-
			Deposit on account of OTC (ITEC Programmes)	1,09,71,959.00	-
			Deposits on account of seminars / symposia etc	38,55,168.00	-
<b>V. Receipts against Sponsored Projects/ Schemes</b>			Deposits - Others Including EMD, Security Deposit	1,29,550.00	-
Amount receivable from NITTT OWP	24,56,083.00	-	<b>X. Deposits and Advances</b>		
<b>VI. Receipts against sponsored Fellowships and Scholarships</b>			Deposits - Electricity	-	3,05,168.00
Deposit on account of externally funded projects	9,51,32,256.00	38,48,844.00	Advances to Employees	-	(1,46,000.00)
Deposit on account of OTC (ITEC Programmes)	2,91,34,489.00	-	Advance & other amounts receivable in cash/Kind	-	32,02,716.00
Deposits on account of seminars / symposia etc	53,93,099.52	-	Prepaid Expenses	-	3,317.00
Deposits - Others Including EMD, Security Deposit	18,34,485.00	-	Deposits	-	2,59,73,344.00
<b>VII. Income on Investments from</b>			Other Deposits	-	9,24,231.00
a) Earmarked/Endowment funds	-	-	Other Current Assets Rec'ble-U/GC/Sponsored Projects	-	3,08,370.00
b) Other investments	-	-	<b>V. Investments and Deposits made</b>		
<b>VIII. Income on Investment from</b>			a) Out of Earmarked/Endowments funds	-	-
Interest on Loans and Advances	-	-	b) Out of own funds (Investments- Others)	-	-
Interest on Savings Bank Accounts	46,47,470.00	60,15,738.00	<b>VI. Term Deposits with Scheduled Banks</b>		
<b>IX. Investments encashed</b>			<b>VII. Expenditure on Fixed Assets and Capital Works - in-Progress</b>		
			a) Fixed Assets	14,09,19,232.00	3,84,06,297.00
<b>X. Term Deposits with Scheduled Banks encashed</b>			b) Capital Works- in-Progress	-	-
<b>XI. Other income (including Prior Period Income)</b>			<b>VIII. Other Payments including statutory payments</b>		
Duties and Taxes TDS, Service Tax etc	-	(503.00)	Statutory liabilities – GPF, TDS, WC Tax, CPF, GIS	26,20,261.86	-
Prior Period Income	62,59,631.19	(4,500.00)	Income tax deducted other than staff	13,39,713.00	-
License fees	3,96,114.00	-	Income tax recovered from staff	3,34,62,551.00	-
Recovery of Water Charges (Staff Qrs)	8,098.00	-	LIC of India	7,56,406.00	-
RTI Fees	40.00	-	NPS account of NITTT	1,77,94,526.00	-
Sales of Scraps	5,000.00	-	PF account of NITTT	85,01,060.00	-
Loss of Library books	300.00	-	Professional tax	3,55,322.00	-
PG Assistantship	1,44,000.00	-	GSLIS (Refund of Savings)	7,12,118.00	-
Sponsorship for Diamond Jubilee Celebration	2,55,001.00	-	NITTT Employ. Co-Op.Thrift & Credit Soc.Ltd.	62,78,437.00	-
			<b>IX. Refunds of Grants</b>		



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

## **GPF ACCOUNT**

National Institute of Technical Teachers Training and Research  
Taramani, Chennai - 600 113

PROVIDENT FUND ACCOUNT  
BALANCE SHEET AS AT MARCH 31, 2025

Liabilities	Amount in Rupees	
	2024-25	2023-24
<b>GPF</b>		
Opening Balance	4,47,96,503.00	4,55,04,861.00
Add: Subscriptions in the year	84,81,060.00	89,81,280.00
Add: Interest Credited	32,28,533.00	30,93,542.00
Less: Advance/withdrawal/Part Final	5,65,06,096.00	5,75,79,683.00
Closing Balance GPF	51,75,089.00	1,27,83,180.00
Unclaimed Balance	5,13,31,007.00	4,47,96,503.00
Employers Contribution	-	-
Opening Balance	-	-
Add: Subscriptions in the year	-	-
Add: Interest Credited	-	-
Less: Advance/withdrawal/Part Final	-	-
NPS Contra	-	-
Closing Balance	-	-
<u>Interest Reserve</u>		
Opening Balance	88,20,071.39	87,21,819.11
Add: Opening Balance Adjustments	1,99,165.71	98,252.28
Add: Excess of Income over Expenditure		
Closing Balance		
<b>Total</b>	<b>6,03,50,244.10</b>	<b>5,36,16,574.39</b>
<b>Assets</b>		
GPF		
Refund Due from IT - TDS	3,64,558.00	
Temporary Advance		
<u>Bank Balances:</u>		
IOB 2193 a/c	1,32,74,027.11	71,65,737.11
IOB FIXED DEPOSIT (SDR IOB)	4,07,91,675.00	4,05,00,646.00
IOB SPECIAL DEPOSIT	28,04,732.00	28,04,732.00
SBI SPECIAL DEPOSIT	26,20,393.00	26,20,393.00
Accrued Interest	4,94,858.99	5,25,066.28
<b>Total</b>	<b>6,03,50,244.10</b>	<b>5,36,16,574.39</b>

**National Institute of Technical Teachers Training and Research  
Taramani, Chennai - 600 113**

**PROVIDENT FUND ACCOUNT  
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2025**

Expenditure	Amount in Rupees		
	2024-25	2023-24	Income
Interest Credited to:			
GPF Account			-
Interest on subscription	32,28,533.00	30,93,542.00	1,50,034.00
Bank charges	-	-	1,40,173.00
Excess of Income over Expenditure	1,99,165.71	98,252.28	28,55,830.00
<b>Total</b>	<b>34,27,698.71</b>	<b>31,91,794.28</b>	<b>2,49,028.00</b>
			32,633.71
			-
			<b>34,27,698.71</b>
			<b>31,91,794.28</b>

National Institute of Technical Teachers Training and Research  
Taramani, Chennai - 600 113

**PROVIDENT FUND ACCOUNT  
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2024-25**

Receipts	Amount in Rupees			
	2024-25	2023-24	Payments	2023-24
<b>Opening Balance :</b>				
IOB 2193 a/c	71,65,737.11	83,98,265.11	GPF Adv./Withdrawal/Part Final	31,41,000.00
IOB FIXED DEPOSIT (SDR IOB)	4,11,91,557.00	4,56,64,296.00	GPF Final Settlement	5,23,449.00
IOB SPECIAL DEPOSIT	28,04,732.00	-	Bank charges	-
SBI SPECIAL DEPOSIT	26,20,393.00	-	P/F Advance	15,10,640.00
DLI	<b>5,30,91,508.11</b>	-	Employee Subscription	20,000.00
Interest Receivable	-	-	DLI	-
GPF Subscription	85,01,060.00	(67,422.50)		
		89,81,280.00	Investment during the year	
			<b>Closing Balance:-</b>	
GPF SD Interest (IOB & SBI)	2,90,207.00	-	IOB 2193 a/c	1,32,74,027.11
FD Interest	23,96,295.00	23,40,535.00	IOB FIXED DEPOSIT (SDR IOB)	4,07,91,675.00
SB Interest	2,49,028.00	3,15,623.50	IOB SPECIAL DEPOSIT	28,04,732.00
Prior Period Income	32,633.71	2,42,111.00	SBI SPECIAL DEPOSIT	26,20,393.00
Accrued Interest	5,25,066.29	-	Accrued Interest	3,99,882.00
<b>Total</b>	<b>6,50,85,798.11</b>	<b>6,58,74,688.11</b>	<b>Total</b>	<b>6,58,74,688.11</b>

**NATIONAL INSTITUTE OF  
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TARAMANI, CHENNAI – 600 113**

**NITTT WEB PORTAL ACCOUNT**

**National Institute of Technical Teachers Training and Research**  
Taramani, Chennai - 600 113

**NITTT WEB PORTAL ACCOUNT**  
Balance Sheet as at 31.03.2025

LIABILITIES	Amount in Rupees				
	2024-25	2023-24	ASSETS	2024-25	2023-24
Capital Fund	12,38,14,496.33	10,73,07,297.37	Bank Accounts	10,24,04,184.83	9,74,22,226.33
Duties & Taxes	7,18,475.00	7,11,050.00	Fixed Deposits	2,50,00,000.00	2,50,00,000.00
TDS Payable	1,577.00		Refund of TDS overdue	60,846.00	
Add: Excess of Income over Expenditure	48,33,348.50	1,65,07,198.96	Accrued Interest	19,02,866.00	21,03,320.00
<b>Total</b>	<b>12,93,67,896.83</b>	<b>12,45,25,546.33</b>	<b>Total</b>	<b>12,93,67,896.83</b>	<b>12,45,25,546.33</b>

**National Institute of Technical Teachers Training and Research  
Taramani, Chennai - 600 113**

**NITTT WEB PORTAL ACCOUNT**

**Income & Expenditure Account for the year ended 31.03.2025**

	Amount in Rupees				
	2024-25	2023-24	INCOME	2024-25	2023-24
<b>EXPENDITURE</b>					
Bank Charges	-	-	Course Fees	-	-
General Expenses	2,43,87,040.00	2,35,71,516.00	Module/Registration	2,48,12,647.50	3,71,69,164.96
Remuneration	7,90,703.00	7,15,613.00	FDR Interest	20,57,714.00	17,50,000.00
Contingencies	-	964.00	Bank Interest	28,48,378.08	18,76,127.00
Remuneration for Guest Lecture			Prior period income	2,92,351.92	
Professional Charges					
Travel Expenses					
Vehicle Hire Charges					
Equipment Hire Charges					
Excess of Income over expenditure	48,33,348.50	1,65,07,198.96			
<b>Total</b>	<b>3,00,11,091.50</b>	<b>4,07,95,291.96</b>	<b>Total</b>	<b>3,00,11,091.50</b>	<b>4,07,95,291.96</b>

**National Institute of Technical Teachers Training and Research  
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**NITT WEB PORTAL ACCOUNT**

**Receipts & Payments Account for the Financial Year 2024-25**

	Amount in Rupees				
	2024-25	2023-24	PAYMENTS	2024-25	2023-24
<b>RECEIPTS</b>					
OPENING BALANCE:					
Cash at Bank	9,74,22,226.33	8,19,53,977.37	Bank Charges	-	-
Fixed Deposits	2,50,00,000.00	2,50,00,000.00	TDS	-	-
Local Purchase Advance	-	-	Remuneration	2,43,87,040.00	7,15,613.00
Accrued Income	-	-	General Expenses	7,90,703.00	2,35,71,516.00
Refund of TDS Due	-	-	Contingencies	-	964.00
Miscellaneous Revenue Receipts	-	-	Accrued Interest	14,88,700.00	-
Bank Interest	28,48,378.08	18,76,127.00	Equipment Hire Charges	-	-
Duties & Taxes	24,65,085.00	23,74,985.00	Duties & Taxes	24,56,083.00	16,63,935.00
FDR Interest	19,36,022.00	-	Professional Charges	-	-
Module / Registration fee	2,48,12,647.50	4,25,69,164.96	Remuneration for Guest Lecturer	-	-
Prior period income	2,92,351.92	-	Travel Expenses	-	-
Accrued Interest	17,50,000.00	-	Outstanding Expenditure NPTEL	-	-
			Outstanding Expenditure NTA	-	-
			Vehicle Hire Charges	-	-
			Module / Registration Fees	-	54,00,000.00
			Miscellaneous Revenue Receipts	10,24,04,184.83	9,74,22,226.33
			Cash at Bank	2,50,00,000.00	2,50,00,000.00
			Fixed Deposits	-	-
<b>Total</b>	<b>15,65,26,710.83</b>	<b>15,37,74,254.33</b>	<b>Total</b>	<b>15,65,26,710.83</b>	<b>15,37,74,254.33</b>

**NATIONAL INSTITUTE OF  
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TARAMANI, CHENNAI – 600 113**

**NITTT SWAYAM ACCOUNT**

National Institute of Technical Teachers Training and Research  
Taramani, Chennai - 600 113

NITT SWAYAM ACCOUNT

BALANCE SHEET AS AT MARCH 31, 2025

Liabilities	Amount in Rupees		
	2024-25	2023-24	2024-25
Opening Balance	1,39,618.08	1,35,935.48	
Add: Excess of Income over Expenditure	3795.60	3,682.60	1,43,413.68
<b>Total</b>	<b>1,43,413.68</b>	<b>1,39,618.08</b>	<b>1,43,413.68</b>

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2025

Expenditure	Amount in Rupees		
	2024-25	2023-24	2024-25
Professional Charges			
Bank Charges	94.40	94.40	3890.00
Excess of Income over Expenditure	3,795.60	3,682.60	
<b>Total</b>	<b>3,890.00</b>	<b>3,777.00</b>	<b>3,777.00</b>

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2024-25

Receipts	Amount in Rupees		
	2024-25	2023-24	2024-25
Cash in Hand			
Cash at Bank	1,39,618.08	1,35,935.48	94.40
Course Fees			
SB Interest	3,890.00	3,777.00	
<b>TOTAL</b>	<b>1,43,508.08</b>	<b>1,39,712.48</b>	<b>1,43,508.08</b>

