



Annual REPORT



2021
to
2022

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

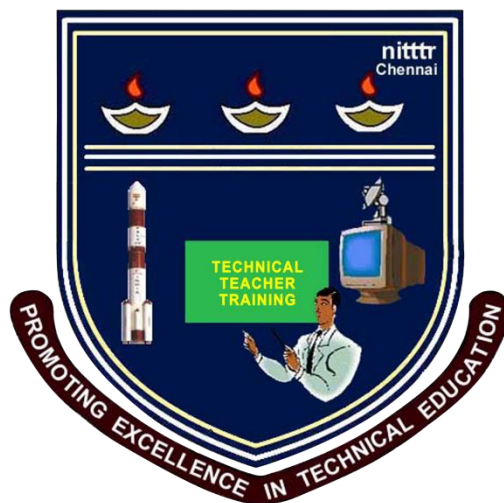
Ministry of Education, Government of India,
Taramani, Chennai- 600 113.

PROMOTING EXCELLENCE IN TECHNICAL EDUCATION

ANNUAL REPORT

2021-2022

(ENGLISH VERSION)



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

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1.0 PREAMBLE

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

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

VISION

To serve as a “One-Stop Institute of Excellence” and create an indelible mark in the fields of Multidisciplinary Education, Training, Research and Innovation at the Global Level

MISSION

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

- ✱ To address the current challenges in the field of Technical Education and fulfill the evolving needs and expectations of the changing world by renewing the principles of the Teaching Learning process.
- ✱ To anchor teaching in the quality culture of the Technical Institutions and articulate pedagogical competence to satisfy the demand for “Lifelong Learning”.
- ✱ To transform the traditional “One Size Fits All” Model to “Skills over Degrees” Model.

CORE VALUES

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

- ◆ Quality
- ◆ Innovation

- ◆ Collaboration
- ◆ Ethics
- ◆ Excellence

MOTTO

“Innovate to Educate and Educate to Innovate”

2.0 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 training systems and their management.
- ✓ To undertake and guide research for development of innovative methods, processes and practices for improvement of teaching-learning environment in technical institutions.
- ✓ To design new instructional systems and strategies for production of multimedia learning materials.
- ✓ To develop and disseminate learning resources like textbooks, laboratory manuals, video programmes, computer assisted instructional multimedia packages to technical institutions and other organisations.
- ✓ To offer programmes for technical teachers in distance learning mode using state-of-the-art technologies.
- ✓ To offer courses / programmes for technical and vocational teachers to suit overseas demand especially from SAARC & ASEAN countries.
- ✓ To institute awards, fellowships, scholarships, prizes and medals.
- ✓ To collaborate with the community and industries in organizing continuing and non-formal vocational education programmes and providing extension and consultancy services.

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

3.0 FOCUS OF ACTIVITIES DURING 2021-2022

The institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During 2021-2022, the institute undertook programmes, projects and activities under four major areas namely: (i) Professional Development Programme; (ii) Curriculum Development; (iii) Instructional Resources Development; and (iv) Research and Consultancy Projects.

The institute focused on the following activities during 2021-2022:

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, blended and flipped mode of teaching, e-content development for online teaching, 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 doctoral degree programme in civil engineering, affiliated to Anna University, by developing research capabilities in teachers of engineering colleges, polytechnics and personnel from industries through civil engineering research leading to Ph.D.
5. Offering post-graduate degree programme in Infrastructure Engineering and Management and Electronics and Communication Engineering (Industry Integrated) affiliated to Anna University.
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:
 - a. Scheme of community development through polytechnics
 - b. Project for Persons With Disabilities (PWDs)
 - c. Unnat Bharat Abhiyan (UBA)
 - d. Expert committee visit to facilitate accreditation
 - e. Technical and consultancy service in the area of engineering / technology
 - f. Need based human resource development programmes and projects for Industries, Govt. Departments and Service Organizations

4.0 PROFESSIONAL DEVELOPMENT PROGRAMMES

Professional development programmes for teachers of engineering colleges and polytechnics is a priority area of the institute. In recognition of this, the institute planned and conducted a variety of short-term and long-term training programmes and webinars and workshops for teachers and staff of the polytechnics, engineering colleges as well as teachers from overseas to enable them to acquire competencies relevant to their respective areas of work.

4.1 LONG-TERM TRAINING PROGRAMMES

4.1.1 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 Education (Inter-disciplinary). The institute is a recognized Doctoral research centre by the University of Madras and Anna University, Chennai.

So far a total number of 95 scholars have been awarded Ph.D. degree in Engineering Education under the University of Madras. As on date, 11 candidates are registered under University of Madras and 12 candidates are registered under Anna University. During this period, three scholars were awarded Ph.D. in Engineering Education by the University of Madras (Table 1).

Table 1 Ph.D. Degree awarded to Research Scholars during 2021-2022

S. No.	Name of the candidate & Full-Time/Part-Time	Title of the Thesis	Name of the Supervisor	Date of Viva Voce
1.	Mr. J. Ramesh Kumar Part- Time Scholar	Effectiveness of Training Programme on Managerial Functions and Leadership Orientation Among Management Students	Dr. T. Gnana Sambanthan (Supervisor-Convener) Professor & Head (Retd.), Dept. of Computer Science & Engineering	03.11.2021
2.	Ms. Asha Murali Part- Time Scholar	Enhancing Competencies Through Knowledge Dimensions in Electronics and Communication engineering Concepts	Dr. T. Gnana Sambanthan (Supervisor-Convener) Professor & Head (Retd.), Dept. of Computer Science & Engineering	23.02.2022
3.	Mr. Bruce Mathew Full-Time Scholar	Effectiveness of Alternative Assessments of Outcome Based Educational Practices in Computer Application	Dr. T. Gnana Sambanthan (Supervisor-Convener) Professor & Head (Retd.), Dept. of Computer Science & Engineering	28.02.2022

4.1.2 Post-Graduate Programme

M.E (Infrastructure Engineering and Management) programme lays emphasis on Construction/Infrastructure Engineering in terms of designing, planning and environmental management of large buildings, townships, roads and bridges, transportation engineering, and Infrastructure Projects. The Employment opportunities include Real Estate, Private and Public Sector Undertaking, Transportation sectors, Consultancy Firms, Industrial Plants, and Housing & Urban Development Authorities. More than all the aforementioned opportunities, NITTTR Chennai will provide an excellent Job opportunity to the successful students to serve as a great teacher in Engineering and Polytechnic Colleges. A total of 21 students are pursuing their M.E. in Infrastructure Engineering and Management. So, for 14 students graduated from this programme.



Students of M.E in Infrastructure Engineering and Management

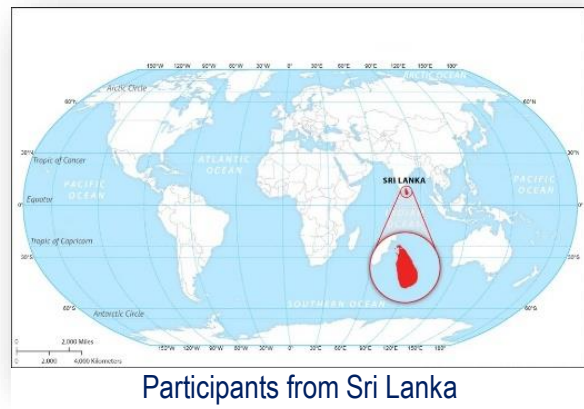
M.E. in Electronics and Communication Engineering (Industry Integrated) is a unique course and inclined towards Industrial needs. In this programme, the latest technology such as Internet of Things, Industry 4.0, Cyber Physical System, Industrial Automation, Embedded System on Chip design, Machine learning, Deep Learning, Advanced Communication Systems, E-vehicle Technologies and Telemedicine have been focused. Also, majority of the courses offered under these programmes will be focusing more on practical applications with Industry relevant case studies. This programme is not alone focusing on the emerging areas, but also develop problem analysis and design skills of the students in the domain. Industry experts also will be involved in handling classes and students will be able to interact with different industry experts. The uniqueness of this programme is to encourage the students to undergo the Industrial problem-based projects. Hence the students who are undertaking these programmes will gain knowledge in solving Industry based Problems and develop expertise in research and development to cater to needs of the society. A total of two students are pursuing their M.E. in Electronics and Communication Engineering (Industry Integrated).



Students of M.E in Electronics & Communication Engineering

4.1.3 Overseas Training Courses (OTC)

During the year 2021-2022, the institute conducted five training programmes through online for participants from Sri Lanka under the e-ITEC (Indian Technical & Economic Cooperation) schemes of the Ministry of External Affairs, Government of India. The e-ITEC is a modality of ITEC programme wherein training is imparted in partner countries by Indian Institutes online in real time. Under e-ITEC, the classrooms are shifted to our partner countries and tailor made courses are delivered by Indian faculties online/ through video conferencing. The facilities in the classroom required are desired internet bandwidth, telecommunication links and a focal person to coordinate. Around 121 participants from Sri Lanka attended five programmes (Table 2).



Participants from Sri Lanka

The e-ITEC programmes are fully funded by the Ministry of External Affairs, Government of India, for training civilians from 161 countries in Asia, East Europe (including former USSR), Central Asia, Africa, and Latin

America, the Caribbean as well as Pacific and Small Island countries. As a result, NITTTR Chennai is actively involved in conducting specially designed training programmes under ITEC schemes for the past 40 years and there is now a great visibility and growing awareness among other countries about the competence and service provided by NITTTR Chennai. Over the years, the technical and economic assistance programme of the Ministry of External Affairs, Govt. of India has generated immense goodwill and substantive cooperation among the developing countries of the world. The Centre for International Affairs carries out the overall management of the programmes, with the respective coordinators of the institute taking care of the academic aspects.

Highlights

- Sponsored by the Indian Technical and Economic Cooperation Scheme (e-ITEC) of the Ministry of External Affairs, Government of India.
- A total of 121 participants (teachers and administrators) from Sri Lanka
- Participants felt the changes due to the scientifically designed training programme, and it is felt through their positive feedback. It exhibits the effectiveness and relevance of the programmes.
- Assurance from the participants that they would utilize the newly acquired competencies in performing their job in their home countries.
- Through the alumni of ITEC, NITTTR, Chennai collaborates with different educational institute across the globe in teaching and research.

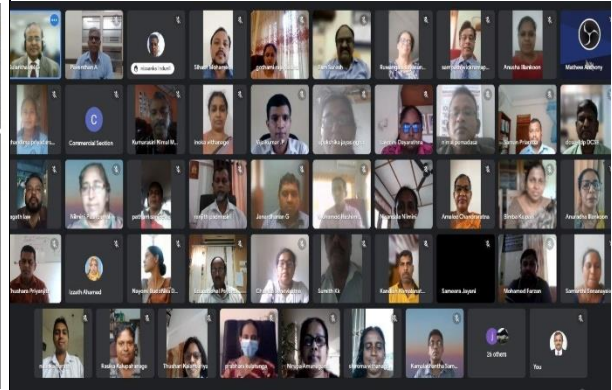
Table 2 Overseas Training Courses during 2021 – 2022

Sl. No.	Title of the Course	Duration	No. of Participant	Course Coordinator
1.	Curriculum Design & Evaluation and Instructional Material Development for Administrators and Curriculum Developers	14.03.2022 to 25.03.2022	28	Dr. G. A. Rathy Dr. P. Sivasankar
2.	Enhancing Leadership Skills and Managerial Skills of School Heads	16.03.2022 to 29.03.2022	18	Dr. R. Rajendran Dr. K.S. Giridharan
3.	Design of Educational Applications using Web Technologies	16.03.2022 to 29.03.2022	26	Dr. V. Shanmuganeethi
4.	IT Tools for Effective Administration	16.03.2022 to 29.03.2022	23	Dr. G. Janardhanan
5.	Technical and Vocational Education and Training (TVET) for Administrators	28.03.2022 to 08.04.2022	26	Dr. G. Kulanthaivel

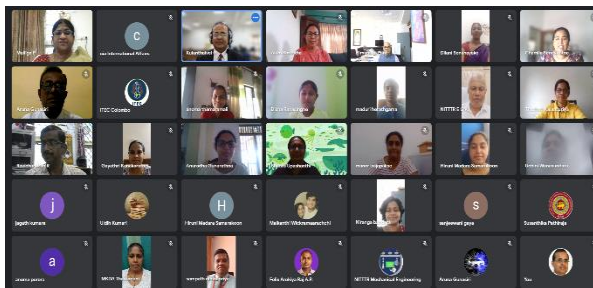
Glimpses of Overseas Training Courses during 2021 – 2022



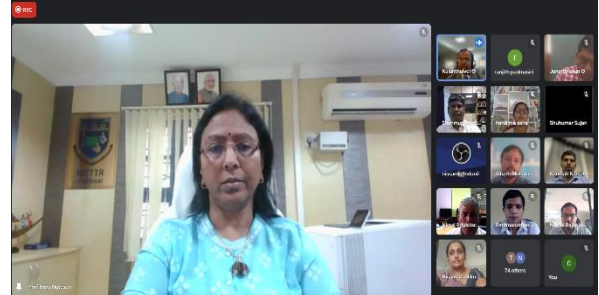
Curriculum Design & Evaluation and Instructional Material Development for Administrators and Curriculum Developers



Design of Educational Applications using Web Technologies



Technical and Vocational Education and Training (TVET) for Administrators



Enhancing Leadership Skills and Managerial Skills of School Heads

4.2 SHORT-TERM TRAINING PROGRAMMES

4.2.1 Online Mode Programmes

Due to the prevailing pandemic, higher education system especially technical education has been transformed to the greater extent. Our teaching fraternity raised to the occasion by offering online education and created a greater impact in the establishment of knowledge society. NITTTR Chennai has a greater responsibility in empowering the technical teachers of our country and especially teachers from south India. To provide uninterrupted knowledge service and embrace new normal life, NITTTR Chennai started to offer online training programmes for the faculty members of technical institutions.

The specific training need of the teachers of the polytechnics in each of the southern States were identified through need analysis carried out by our extension centres and the State Directorates of Technical Education. The course details, duration and venue were finalized in programme development committee meetings



Meeting with stakeholders to understand their demand

held on 18.02.2022, attended by the representatives of Directorates of Technical Education of the southern States. These meetings ensured that the courses planned, designed and conducted will cater the training needs of technical teachers of the southern region.

The participation of experts from industries and institutions of repute such as IITs and Anna University enriched the effectiveness of the training courses.

During this year, the courses were conducted covering the following broad areas:

- Content updating in engineering and technology
- Communication Skills
- Developing Activities for OBE Attributes
- E-Content Development and LMS
- E-content development for online teaching
- Emerging Trends in E-Learning
- Green and Sustainable Energy Development
- Induction programme
- Instructional Design for Online Courses
- Instructional Design for Online Learning
- Internet of things (IoT)
- Machine Learning
- NAAC accreditation process
- NBA and NAAC accreditation process
- NITTT Mentor Orientation
- OER and Open Education Practices
- Online Teaching and Evaluation
- Pedagogy integrated content courses
- Personality development and NLP
- Philosophy & Methodology for competency-based instruction and evaluation for lab courses

During the year under report had been impressive as 162 courses (Table- 3) were conducted involving a total of **6409** participants (Male: **3742**, Female: **2667**) from the various institutes of all over the country.

State-wise distribution of faculty members:

A total of 6409 participants from 32 states and union territories attended this training programme. State-wise distribution of faculty members trained during 2021-22 is given in Fig. 1. It is observed that 82.13% of participants were trained from southern states and Union territory (Pondicherry) i.e. Andhra Pradesh (18.61%), Karnataka (10.81%), Kerala (5.48%), Tamil Nadu (35.37%), Telangana (11.56%) and Pondicherry (0.30) and 17.87% were trained from other states of the country.

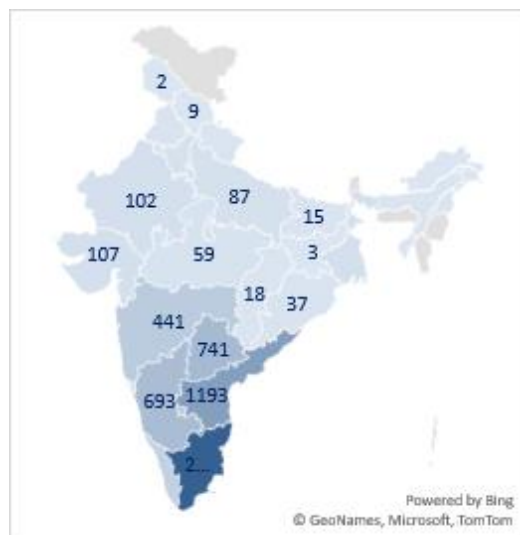
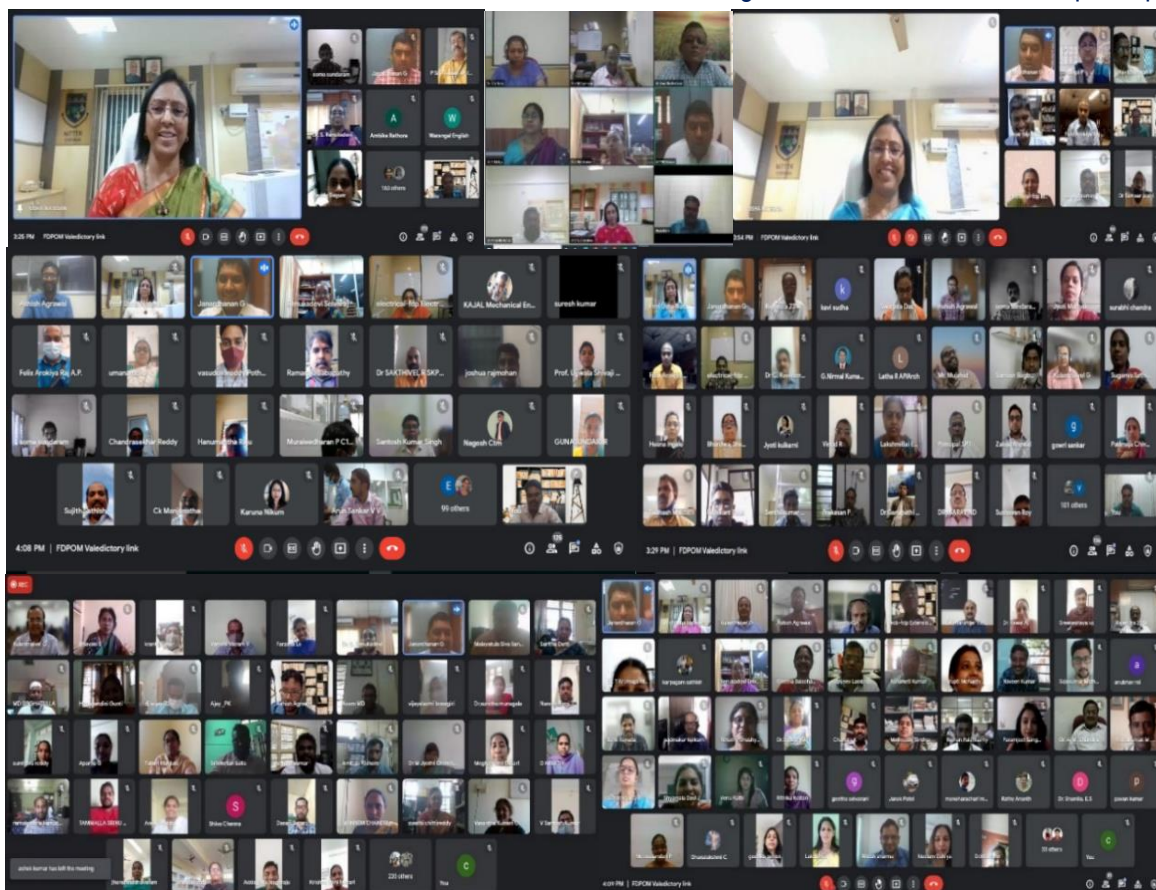


Fig. 1 Statewise distribution of participants



Glimpses of Online Training Programmes

Table 3 List of PDPOM Programmes during 2021-2022

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	Python Programming	May 10-15, 2021	One	41
2.	Implementation of OBE and Online Teaching	May 10-15, 2021	One	62
3.	Verilog Programming	May 17-21, 2021	One	23
4.	Implementation of OBE and Online Teaching	May 24-28, 2021	One	43
5.	MATLAB and LabVIEW Programming for Engineering Applications	May 24-June 04, 2021	Two	40
6.	Quality Assurance through NAAC Accreditation Process	May 31-June 04, 2021	One	40
7.	Learning Management Systems	May 31-June 04, 2021	One	50
8.	PHP and MYSQL	June 07-11, 2021	One	24
9.	Implementation of OBE and Online Teaching	June 07-11, 2021	One	34
10.	Student Psychology	June 14-18, 2021	One	38
11.	Industrial Automation Using PLC, Pneumatics and Robotics	June 14-18, 2021	One	19
12.	Advances in Materials & Manufacturing	June 14-18, 2021	One	23
13.	Free and Open Source Software in Civil Engineering	June 14-18, 2021	One	16
14.	NBA Accreditation Process for UG and PG Programs	June 21-25, 2021	One	41
15.	Outcome Based Education	June 21-25, 2021	One	40
16.	Non-Traditional Machining	June 21-25, 2021	One	20
17.	Embedded Systems using 8051 Micro Controller	June 21-25, 2021	One	35
18.	Implementation of OBE and Online Teaching	June 21-25, 2021	One	24
19.	AutoCAD-A Practical Oriented Programme	June 21-25, 2021	One	34
20.	Instructional Design for Online Learning	June 28-July 02, 2021	One	18

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
21.	Repairs and Renovations of Structures	June 28-July 02, 2021	One	26
22.	Renewable Energy Sources	June 28-July 02, 2021	One	37
23.	Soft Skills	June 28-July 02, 2021	One	32
24.	Nanotechnology & Applications	July 05-09, 2021	One	34
25.	Biomedical Electronics and IoT in Healthcare	July 12-16, 2021	One	63
26.	Motivation and Leadership	July 12-16, 2021	One	21
27.	Computer Aided Manufacturing & Metrology	July 12-16, 2021	One	23
28.	Animation and Presentation Techniques	July 12-16, 2021	One	29
29.	Developing Professional Attributes for OBE Curriculum	July 12-16, 2021	One	44
30.	OER and Open Education Practices	July 19-23, 2021	One	38
31.	NBA Process for Diploma Programs	July 26-28, 2021	Three Days	30
32.	Instructional Design and Delivery System (Basic Pedagogy)	July 26-30, 2021	One	10
33.	Emerging Trends in E-Learning	July 26-30, 2021	One	43
34.	Circuit Simulation and PCB Design Using Multisim	July 26-30, 2021	One	37
35.	Energy and Environmental Management	July 26-30, 2021	One	30
36.	Optical Fiber Communication	July 26-30, 2021	One	30
37.	Creating Interactive Video Lessons	August 02-06, 2021	One	31
38.	Advanced Java Programming	August 02-06, 2021	One	25
39.	Computer Integrated Manufacturing	August 02-06, 2021	One	22
40.	VHDL Programming	August 02-06, 2021	One	24
41.	NBA Accreditation	August 02-06, 2021	One	42

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
42.	Philosophy & Methodology for competency-based instruction and evaluation for lab courses in CE & Allied Engineering	August 09-10, 2021	Two Days	174
43.	Philosophy & Methodology for competency-based instruction and evaluation for lab courses in CE & Allied Engineering	August 09-10, 2021	Two Days	174
44.	NBA Process for Degree Programs	August 09-11, 2021	Three Days	30
45.	Industrial Automation-A Practical Oriented Programme on Hydraulics, Pneumatics, Sensorics & PLCs	August 09-13, 2021	One	45
46.	MATLAB Programming for Simulation and Design	August 09-13, 2021	One	69
47.	Outcome based Assessment	August 09-13, 2021	One	9
48.	Philosophy & Methodology for competency-based instruction and evaluation for lab courses in ECE & Allied Engineering	August 12-13, 2021	Two Days	237
49.	Philosophy & Methodology for competency-based instruction and evaluation for lab courses in EEE & Allied Engineering	August 16-17, 2021	Two Days	164
50.	Philosophy & Methodology for competency-based instruction and evaluation for lab courses in ME & Allied Engineering	August 23-24, 2021	Two Days	192
51.	Internet of things (IoT)	August 23-27, 2021	One	39
52.	Instructional Material Development	August 23-27, 2021	One	31
53.	Cloud Computing	August 23-27, 2021	One	16
54.	Refresher course on Energy, Thermal and Refrigeration & Air Conditioning	August 23-27, 2021	One	31
55.	Open Improvement & Institutional Restructuring	August 23-27, 2021	One	24
56.	Induction Training Programme (Basic & Advanced Pedagogy)	August 23-September 03, 2021	Two	38
57.	Advanced Pedagogy	August 23-September 03, 2021	One	130
58.	Advances in Welding and Manufacturing	August 23-September 03, 2021	One	28
59.	A Practical Approach on Arduino, Raspberry pi and Compatibles	August 23-September 03, 2021	One	49
60.	Developing Professional Attributes for OBE Curriculum	September 13-17, 2021	One	59

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
61.	Question Paper Authoring and Student Evaluation	September 13-17, 2021	One	32
62.	Applications in Power Electronics Engineering	September 13-17, 2021	One	18
63.	Web Design	September 13-17, 2021	One	22
64.	Graphic Design and Interactive Media	September 13-17, 2021	One	21
65.	Counselling for Student Development	September 13-17, 2021	One	59
66.	Personality Development and NLP	September 20-24, 2021	One	15
67.	Graphical System Design using LabVIEW	September 20-24, 2021	One	40
68.	Research Methodology & SPSS Applications	September 20-24, 2021	One	9
69.	Advanced Reinforced Concrete Design	September 20-24, 2021	One	25
70.	NBA Accreditation	September 20-24, 2021	One	52
71.	NBA Accreditation	September 27-29, 2021	Three Days	104
72.	Cyber Security	September 27-October 01, 2021	One	33
73.	Solar, Wind and Bio Energy Applications	September 27-October 01, 2021	One	55
74.	Copyright and its Implication	September 27-October 01, 2021	One	21
75.	Programming in C	September 27-October 01, 2021	One	24
76.	Infrastructure for SMART City Planning	October 04-08, 2021	One	36
77.	Mentoring and Counselling Skills for teachers	October 04-08, 2021	One	39
78.	Entrepreneurship Development and Startups	October 04-08, 2021	One	36
79.	Free Software for Collaborative Learning	October 04-08, 2021	One	35
80.	Instructional Design and Delivery System	October 04-08, 2021	One	13
81.	Electrical & Electronic Systems for wind & solar	October 04-08, 2021	One	48

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
82.	Trends in CNC Machining & Metrology	October 04-08, 2021	One	32
83.	Relational Database Management Systems	October 11-13, 2021	Three Days	25
84.	Linux Server Administration	October 25-29, 2021	One	6
85.	Problem based teaching learning process	October 25-29, 2021	One	26
86.	Data Communication and Networking	October 25-29, 2021	One	29
87.	Instructional Design for Online Courses	October 25-29, 2021	One	35
88.	Advances in Casting and Manufacturing	October 25-29, 2021	One	28
89.	Green and Sustainable Energy Development	October 25-29, 2021	One	36
90.	Developing Professional Attributes for OBE Curriculum	October 25-29, 2021	One	45
91.	Research Writing Workshop	October 25-29, 2021	One	14
92.	Probability & Statistics using R	October 25-29, 2021	One	11
93.	Life skills	November 08-12, 2021	One	22
94.	Wireless Communication	November 08-12, 2021	One	12
95.	Communication Skills for Professionals and Entrepreneurs	November 08-12, 2021	One	12
96.	NAAC Accreditation	November 22-24, 2021	Three Days	36
97.	Geotechnical Engineering Practice	November 22-26, 2021	One	34
98.	Life Skill Development	November 22-26, 2021	One	17
99.	PLC programming using micro 820 controllers	November 22-26, 2021	One	19
100.	Statistics for Data Analytics	November 22-26, 2021	One	9
101.	Lab View and MATLAB Programming	November 22-26, 2021	One	55
102.	Computer Integrated Manufacturing	November 22-26, 2021	One	20

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
103.	Formative Assessment Techniques	November 22-26, 2021	One	8
104.	Python for Beginners	November 22-26, 2021	One	26
105.	English Language & Laboratory Skills for Students	November 29-December 03, 2021	One	30
106.	Quality Assurance of Technical Institutions through Accreditation	November 29-December 03, 2021	One	54
107.	Refrigeration and Air Conditioning	November 29-December 03, 2021	One	38
108.	Electronic Product Design Concepts	December 06-10, 2021	One	33
109.	Professional Development of Teachers	December 06-10, 2021	One	24
110.	Lifelong Learning and Innovation Skills	December 06-10, 2021	One	22
111.	Arduino Programming using Tinker cad	December 06-10, 2021	One	21
112.	NBA Accreditation Process	December 06-10, 2021	One	47
113.	Web Development using HTML5	December 06-10, 2021	One	18
114.	Data Analytics	December 13-17, 2021	One	38
115.	Sustainable Construction Materials & Techniques	December 13-17, 2021	One	28
116.	Engineering Applications using MATLAB Programming	December 13-17, 2021	One	24
117.	NBA Accreditation Process	December 20-24, 2021	One	59
118.	Leadership and Teamwork for Performance Excellence	December 20-24, 2021	One	21
119.	Refresher course on Energy, Automobile and Refrigeration & Air Conditioning	December 20-24, 2021	One	27
120.	Reflective Teaching for Diverse Student Population	December 20-24, 2021	One	19
121.	How Data Mining works	December 20-24, 2021	One	15
122.	Active and Collaborative Learning	January 03-07, 2022	One	44
123.	IPR for Teachers	January 03-07, 2022	One	16

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
124.	Machine Learning	January 03-07, 2022	One	39
125.	Trends in Mechatronics and Manufacturing	January 03-07, 2022	One	31
126.	ARM LPC2148 Microcontroller and its Applications	January 03-07, 2022	One	17
127.	Social Media and Learning Resources	January 03-07, 2022	One	20
128.	Professional Ethics	January 03-07, 2022	One	18
129.	Introduction to IT System Lab	January 10-12, 2022	Three Days	80
130.	NBA Process for Diploma Programmes	January 17-19, 2022	Three Days	53
131.	Guidance & Counselling	January 17-21, 2022	One	37
132.	Electric Vehicle Engineering	January 17-21, 2022	One	73
133.	Developing Activities for OBE Attributes (Electrical & Allied)	January 17-21, 2022	One	33
134.	Advanced Pedagogy	January 24-29, 2022	One	163
135.	MATLAB and LabVIEW Programming for Engineering Applications	January 24-February 04, 2022	Two	113
136.	Data Interpretation and Visualization using R	January 31-February 04, 2022	One	45
137.	Non-Traditional Machining	January 31-February 04, 2022	One	51
138.	Management of Polytechnics	January 31-February 04, 2022	One	21
139.	Happiness and Wellbeing	February 07-11, 2022	One	27
140.	Soft Skills Training	February 07-11, 2022	One	45
141.	Applications in PLC	February 07-11, 2022	One	70
142.	Developing Activities for OBE Attributes (Mechanical & Allied)	February 07-11, 2022	One	43
143.	Critical Pedagogy	February 07-11, 2022	One	32
144.	Modern Geotechnical Engineering	February 07-11, 2022	One	25

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
145.	Instructional Design and Delivery System	February 14-18, 2022	One	28
146.	Reference Management and Data Visualization	February 14-18, 2022	One	43
147.	Problem Solving using Python Programming Lab Manual Preparation	February 21-25, 2022	One	39
148.	Smart Manufacturing	February 21-25, 2022	One	38
149.	Sensor Applications using my RIO	February 21-25, 2022	One	25
150.	Leadership for Academicians of Higher Educational Institutions	February 21-25, 2022	One	22
151.	Advanced Communication Systems	February 28-March 04, 2022	One	42
152.	Renewable Energy Applications	February 28-March 04, 2022	One	43
153.	Advanced Pedagogy	February 28-March 04, 2022	One	214
154.	Performance evaluation in Laboratory courses	March 07-11, 2022	One	29
155.	Solar Power Electronics and Alternate Energy sources	March 07-11, 2022	One	31
156.	Communication Skills	March 07-11, 2022	One	35
157.	Multimedia for Teaching	March 07-11, 2022	One	32
158.	Employability Skills	March 14-18, 2022	One	45
159.	Python Programming	March 14-18, 2022	One	32
160.	Heating, Ventilation and Air Conditioning	March 21-25, 2022	One	26
161.	Programming using Arduino and Raspberry Pi	March 21-25, 2022	One	53
162.	3D Animation and Modeling	March 28-April 01, 2022	One	9
			Total	6409

4.2.2 Contact Mode Programmes

The institute has expertise to conduct contact mode training programme from the inception. The institute had conducted 22 programmes (Table 4) for faculty members of polytechnic colleges. A total of 639 participants attended these training programmes. State-wise distribution of the participants trained is given in Fig 2.



Validictory address by the Director to the participants

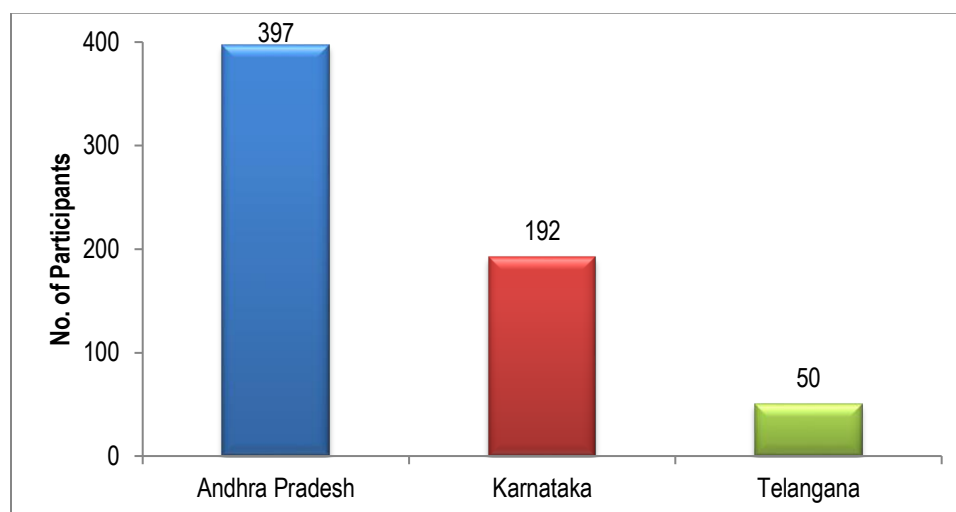


Fig 2. Number of Polytechnic faculty members trained through contact mode

Table 4 List of Contact Mode Programmes during 2021-2022

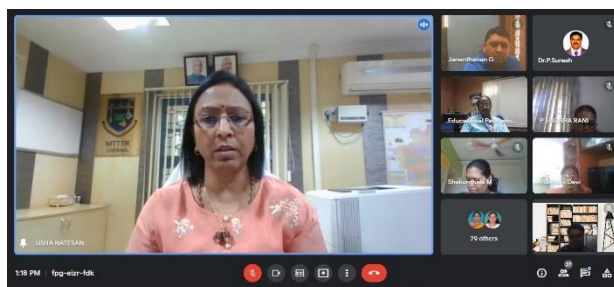
S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	Curriculum Finalization Workshop for C-21	July 01-02, 2021	Two Days	20
2.	Design & Development of Curriculum for D. VOC in ECE, EEE, Auto & Allied Engineering	July 05-09, 2021	One	17
3.	Design & Development of Curriculum for skill-oriented Diploma programme in Computer Science & Allied Engineering	July 12-16, 2021	One	22
4.	Revisiting C-20 Curriculum of DCE, DME, D. Auto of SBTET, AP	July 26-28, 2021	Three Days	24
5.	Revisiting C-20 Curriculum of DEEE, DECE, DBME, DCME of SBTET, AP	July 29-31, 2021	Three Days	28

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
6.	Revisiting C-20 Curriculum of D.Chem., D.Met., D. Tex. of SBTET, AP	August 04-06, 2021	Three Days	31
7.	Laboratory Instructions in Multimedia as per C-20 Curriculum of AP	September 20-25, 2021	One	23
8.	Laboratory Instructions in Web Technologies as per C-20 Curriculum of AP	September 20-25, 2021	One	23
9.	Workshop on design & development of Curriculum for newly introduced Diplomas in Computer Science & Engineering	October 04-08, 2021	One	31
10.	Workshop on preparation of Teachers' & Students' support material for lab courses for CE, ME, EEE, ECE & CME, etc.	October 18-22, 2021	One	35
11.	Construction of tools for Assessment & Evaluation of Students	November 08-12, 2021	One	39
12.	Professional English for Engineering Teachers	November 22-26, 2021	One	23
13.	Strategic Planning for Institutional Development for Principals in TS	November 08-10, 2021	Three Days	30
14.	CLT techniques for English Teaching	Nov.29-Dec.03, 2021	One	28
15.	Finite Element Methods	Nov.29-Dec.03, 2021	One	33
16.	Validation of questions vis-a-vis Course Outcomes	Nov.30-Dec.02, 2021	Three Days	29
17.	Analog Electronics	December 06-10, 2021	One	33
18.	Modern Surveying	December 13-17, 2021	One	33
19.	Thinking Programming	December 20-24, 2021	One	31
20.	Ansys Software	December 27-31, 2021	One	34
21.	Database Design and PL SQL	January 03-07, 2022	One	28
22.	Laboratory Practice in PSPICE Based Exercises in EC Engineering as per C-20 Curriculum of AP	Mar.28-Apr.01, 2022	One	44
			Total	639

4.2.3 Modular Mode Programmes

Due to academic commitment and various constraints, faculty member could not participate in 5 days programme continuously from morning to evening. The NITTTR, Chennai offered modular mode training programme in the following areas

- 1 E-Content Development and learning Management Systems



Valedictory address by the Director to the participants

- 2 Empowering Research and Statistical Analysis
- 3 Qualitative Research for Community Upliftment

The faculty members were invested one hour on alternative days i.e. Monday, Wednesday, and Friday. A Total of 101 participants were benefited through these programmes.

4.2.4 Engineering College Programmes

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers under sponsored category. A customized training programme on “Effective Engineering Teaching Practices” conducted for the faculty members of Prasad V. Potluri Siddhartha Institute of Technology, Andhra Pradesh. Around 60 participants were upgraded their skills through this programme. A tailor-made programme on “E-Content Development and LMS” conducted for the faculty members of Vinayaka Mission's Research Foundation – Deemed to be University, Tamil Nadu. About 40 faculty members enriched their skills through this programme. A Specialized training programme on “Online Teaching and Evaluation” conducted for the faculty members of Jaypee Group of Institutions, Noida. A total 48 faculty members upskilled through this programme.



Valedictory address by the Director to the participants

Thus, till date, **29,390** technical teachers of engineering colleges have been trained through **717** courses. During this year the courses were conducted in the following areas:

4.2.5 ATAL Programmes

All India Council of Technical Education (AICTE) was established AICTE Training and Learning (ATAL) Academy from 2018 onwards. The main objective of this academic is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. The NITTTR, Chennai faculty members got approval from AICTE for conducting four programmes (Table 5) and trained around 515 participants from all over the country.

Table 5 List of ATAL Programmes during 2021-2022

S. No	TOPIC	Coordinator	Duration	No. of Participants
1.	Emotional Intelligence	Dr. S. Renukadevi	June 07-11, 2021	160
2.	Framework for Online Assessment	Dr. K.S.A. Dinesh Kumar	July 12-16, 2021	128
3.	Framework for Online Assessment	Dr. K.S.A. Dinesh Kumar	August 16-20, 2021	130
4.	Electric Vehicle Engineering	Dr. G.A. Rathy	October 25-29, 2021	97
Total				515

Glimpses of ATAL Programmes, 2021 – 2022



4.2.6 NITTT Mentor Orientation Workshops

Mentors are expected to know about inductee teachers' context of learning, teaching practicum requirements and teacher learning aspects such as: contextual knowledge of inductee teacher's online learning of modules, pedagogy of teacher education and of mentoring, knowledge of the teaching profession, the technical education system and teachers effectiveness performance criteria, collection and interpretation of evidence of learning, analyze and reflect on evidence of learning, use effective observation skills and strategies, demonstrate professional leadership and understanding of the potentiality of effective teaching. For this purpose, the institute conducted four mentor orientation workshops. During this year, the institute conducted three workshops (Table 6) and 807 participants were benefited.



Glimpses of NITTT Mentor Orientation Workshops

Table 6 List of NITTT Mentor Orientation Workshops during 2021-2022

S. No	TOPIC	Duration	No. of Participants
1.	NITTT Mentor Orientation Workshop	June 14-18, 2021	289
2.	NITTT Mentor Orientation Workshop	July 05-09, 2021	248
3.	NITTT Mentor Orientation Workshop	July 26-30, .2021	270
Total			807

4.2.7 Examination Reforms Workshops

During the year 2021-22, the department of curriculum development, planning and coordination collaborated with AICTE for four different offerings of AICTE Examination Reforms Workshop (Table 7). These workshops were designed to help faculty design effective question papers to effectively and adequately measure student attainment of the learning outcomes. Each workshop included sessions on outcome-based education (OBE), designing question papers in line with an OBE framework, design and use of rubrics, and discussion of model question papers. A total of 864 participants successfully attended these workshops.



Glimpses of Examination Reforms Workshops

Table 7 List of Examination Reforms Workshops during 2021-2022

S. No	TOPIC	Duration	No. of Participants
1.	Examination Reforms Batch-I	October 06-08, 2021	322
2.	Examination Reforms Batch-II	November 16-18, 2021	309
3.	Examination Reforms Batch-III	December 13-15, 2021	31
4.	Examination Reforms Batch-IV	January 10-12, 2022	202
Total			864

4.2.8 AICTE-ISTE Sponsored Programme

The institute conducted AICTE-ISTE sponsored programme on “Arduino and Raspberry Pi” from 31.01.2022 to 05.02.2022. The main objective of this programme is to make the faculty familiar with the controllers like Arduino and Raspberry Pi. This course focuses on working with these controllers and interfacing sensors there by creating a world IoT applications. Around 95 participants were enriched their skills through this course.



Glimpses of AICTE-ISTE Sponsored Programme

4.2.9 Industries Training Programmes



Valedictory address by the Director to the participants

The institute has established good collaboration with the Government organizations and industries. The experience, expertise and resources of the institute are used by the government and private organization for getting their engineers and staff trained. During 2021-2022, this institute has conducted the two training programmes for Air Works India (Engineering) Pvt Ltd, Hosur and Cochin (Table 8):

Table 8 List of Training Programmes for Industries

S.No	Title of the Programme	Name of the Government Organization	Duration	No. of Participants
1.	Train the Trainer Programme	Star Air, Bengaluru	November 08-12, 2021	9
2.	Train the Trainer Programme	Academy of Aviation & Engineering, Bengaluru.	February 22-26, 2022	25
Total				34

A total of 34 participants attended these training programmes. Thus to date, 2867 persons were trained through 131 courses.

4.2.10 Sponsored Workshop

The institute conducted hands on training programme on “Water and Wastewater Testing for Young Researcher” from 21.02.2022 to 25.02.2022. This programme reflects a change in the researcher’s technical as well practical knowledge for their future research goals. The aim is to provide safe and adequate water testing knowledge for drinking, irrigation and other domestic needs on a sustainable basis. A total of 17 participants were enriched their skills through this programme.



Certificates distribute by the Director to the participant

4.2.11 In-Country Programme

National Institute for Technical Training and Research (NITTTR), Chennai conducted an online In-country program on “Automotive Technology Using Virtual TVET” in collaboration with the Colombo Plan Staff College (CPSC), Manila Philippines and Labtech International Ltd., USA from March 21-24, 2022 with 34 faculty members in India and was held via Zoom.

The opening ceremony was held on March 21 and was facilitated by Prof. Wickramasinghe and Prof. Dr. G. Kulanthaivel. In his speech, Prof. Wickramasinghe welcomed the participants and elaborated on the



Glimpses of In-Country Programme

benefits of this virtual training to the knowledge exchange and enhancement of the participants’ skills in lieu of the requirements of education during the ongoing pandemic. Meanwhile, Prof. Dr. Kulanthaivel acknowledged the role of CPSC and NITTTR in contributing to the change in TVET by facilitating this program even through virtual means. He also expressed his appreciation and support of Labtech for coming up with a relevant program that is suitable and compliant with the learning needs of today.

The closing ceremony was held on March 24, 2022 and was graced by key persons including: Prof. Dr. Usha Natesan, Director, NITTTR Chennai, India, Dr. Steven McKee, President of Labtech International Ltd.,

Mr. Shahrir Shafiek, program Resource Person and Deputy Head of the UTHM-Labtech Digital Innovation Center, Malaysia. Prof. Dr. Usha Natesan congratulated the participants for their attendance at the program and expressed her hope that other training programs of similar nature will be organized again. She also mentioned her optimism that due to the changes in TVET, these training will continue to be in demand in the future. Her observations were seconded by Dr. McKee, who praised the enthusiasm and dedication of the participants while noting the need to further organize this training for more participants in the future.

4.2.12 Skill Development Programme

NITTTR Chennai along with Nachimuthu Polytechnic College, Pollachi conducted 2 days Training of Trainers programme (ToT) programme for Electrician Trade during March 18-19, 2022 for the Master Trainers of Community Skills Schools of Tamil Nadu Rural Transformation Project (TNRTP) / Vaazhnthu Kaattuvom Project (VKP), an innovative Project that aims at rural transformation through strategies that look beyond poverty alleviation by building sustainability and prosperity of rural communities through rural enterprise promotion, access to finance and employment opportunities in the selected blocks of Tamil Nadu.



Glimpses of Skill Development Programme

4.3 MEMORANDUM OF UNDERSTANDING

The NITTTR Chennai enters into Memorandum of Understanding (MoU) with various educational institutions and other organizations for collaborative research, consultancy, continuing education and innovative applications of teaching-learning process (training/capacity development), finally leading to development of knowledge society.

A strategic partnership can improve synergies for both beneficiaries and contributes to an overall increase in institutional capacity. Through MoU, there is a possibility to excel in training needs and in turn innovate and share best practices. Through partnerships with governments, academies and industries it makes it possible for NITTTR Chennai to consolidate and extend its capacity to provide a global platform for knowledge transfer. The NITTTR, Chennai signed MoU with State University during 2021-2022 (Table 9):



Signing of MoU with Organizations

Table 9 MoU Signed during 2021-2022

S. No	Name of the Organization / Institute	Date of Signing
1.	IBM India Private Limited, Bangalore	17.08.2021
2.	SAKURA Geo-Information Software Research Pvt Ltd, Chennai	27.01.2022
3.	Muthayammal Engineering College (MEC), Rasipuram	16.02.2022
4.	Jaypee Higher Education System, Noida, New Delhi	23.03.2022
5.	Sri Sairam Engineering College, Chennai	24.03.2022

4.4 WEBINARS/WORKSHOPS CONDUCTED

During this year, a total of 30 webinars/workshops on the topic of national, societal and technical importance were conducted (Table 10). A total of 3001 participants from government, government aided, and private institutions, Industries and professionals attended these webinars/workshops.

Table 10 List of Webinars/workshops during 2021-2022

Sl. No.	Title of the Webinar	Resource Person	Date	No. of Participants
1.	Outcome Based Teaching and Learning	Dr. G Janardhanan	06.05.2021	274
2.	Internet of Things (IoT) with MATLAB and Thing Speak	Dr. Debanand Singdeo	27.05.2021	270
3.	Artificial Intelligence and Machine Learning using MATLAB	Dr. Anand Mukhopadhyay	28.05.2021	233
4.	Cyber Physical System Applications using LabVIEW	Er. A. Manimaran	04.06.2021	202
5.	Student Centered Learning	Dr. Umashanker Sahu	15.06.2021	104
6.	Yoga Mudra	Dr. S. Renukadevi	21.06.2021	95
7.	Recent Trends in Biomedical Engineering	Er. K. Mohanvelu	16.07.2021	273
8.	MATLAB Applications in Industry 4.0	Prof. Dr. M. Manjunatha Er. Suraj Gawande Er. CH Ravindar Reddy	12.08.2021 & 13.08.2021	256
9.	Managing Stress for Effective Living	Dr. R. Rajendran	13.08.2021	29
10.	An Overview of Finite Element Method used in Analysis Software Packages	Dr. R. Santhakumar	24.08.2021	75
11.	Managing Stress for Effective Living	Dr. R. Rajendran	27.08.2021	41
12.	Well-Being through Energy Mastery	Dr. S. Renukadevi	01.09.2021	58
13.	Introduction to Qualitative Research	Dr. Ashish Agrawal	09.11.2021	13
14.	Difference between qualitative and quantitative research and their philosophies	Dr. Ashish Agrawal	11.11.2021	14
15.	Grounded Theory	Dr. Ashish Agrawal	16.11.2021	11
16.	Ethnography	Dr. Ashish Agrawal	18.11.2021	6
17.	Phenomenology	Dr. Ashish Agrawal	23.11.2021	9
18.	Phenomenography	Dr. Ashish Agrawal	25.11.2021	10
19.	Narrative Analysis	Dr. Ashish Agrawal	30.11.2021	4
20.	Discourse Analysis	Dr. Ashish Agrawal	02.12.2021	9
21.	Action Research	Dr. Ashish Agrawal	07.12.2021	7
22.	Case Study	Dr. Ashish Agrawal	09.12.2021	3
23.	Solar Energy Applications for Sustainable Future	Dr. G. Kumaresan	30.12.2021	119
24.	Outcome Based Education and New Education Policy 2020	Dr. P. Shanmugavadivu	21.01.2022	125
25.	Role of Youth in Abatement of Marine Plastic for Healthy Ocean	Dr. M.V. Ramana Murthy	12.01.2022	313
26.	Behavioral Assessment of Students	Dr. R. Rajendran	02.02.2022	30
27.	Wind Energy Applications and Research Opportunities	Dr. P. Kanagavel	16.02.2022	134
28.	Gender Development through Entrepreneurship	Ms. Sudha Shankaran	08.03.2022	78
29.	Cryogenic Machining & Heat treatment	Dr. S. Somasundaram	08.03.2022	76
30.	Accreditation Automation Platform for NBA / NAAC / ABET	Er. Balaguru C	25.03.2022	140
			Total	3001

5.0 CELEBRATION OF NATIONAL DAYS

The institute has celebrated the following National days (Table 11).

Table 11 List of Celebrations during 2021-2022

Sl. No.	Description	Date	Events	Chief Guest
1.	International Day of Yoga	21.06.2021	Yoga Demonstration and Webinar	Prof. Dr. S N Panda, Director, NITTTR, Chennai.
2.	Independence Day	15.08.2021	Hoisted the tricolor flag and Special Speech	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
3.	Teachers Day	05.09.2021	Special Lecture	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
4.	Vigilance Awareness Week	26.10.2021 to 02.11.2021	Pledge	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
5.	National Education Day	11.11.2021	Slogan Writing, Essay Writing and Elocution competition.	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
6.	Constitution day	26.11.2021	Pledge	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
7.	Institution Day	14.12.2021	Screening of videos and distribution of appreciation awards to the faculty and staff of this institute	Prof. R. Velraj, Vice-Chancellor, Anna University, Chennai. Dr. V. S. S. Kumar, Chairman, BOG, NITTTR Chennai. Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
8.	National Youth Day	12.1.2022	Webinar	Dr. M.V. Ramana Murthy, Director, National Centre for Coastal Research. Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
9.	Republic Day	26.01.2022	Hoisted the tricolor flag and Special Speech	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.
10.	International Women's Day	08.03.2022	Webinar and Round Table Conference	Prof. Dr. Usha Natesan Director, NITTTR, Chennai.

Celebrations of National Days during 2021 – 2022



Independence Day



Teachers Day



Vigilance Awareness Week



Constitution day



Constitution day

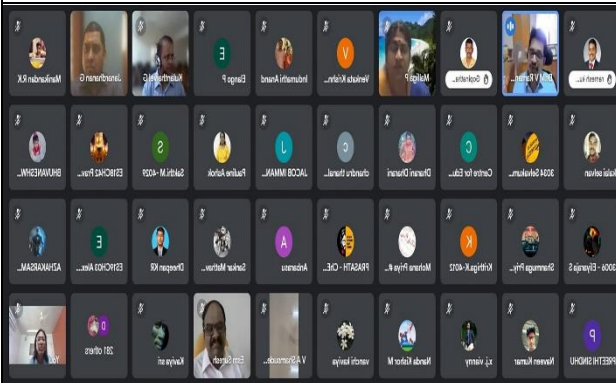
Celebrations of National Days during 2021 – 2022



Institution Day



Republic Day



National Youth Day



International Women's Day

6.0 CURRICULUM DEVELOPMENT

Centre for Curriculum Development, Planning and Coordination of the institute was set up in 1970 for revising the curricula of existing programmes and developing curricula for new programmes of polytechnics to meet the ever-changing technical human resource needs of the expanding Indian economy. The institute has evolved a curriculum development model which includes job and task analysis for developing technician profiles, identifying technician competency, formulating learning outcomes reflecting the knowledge, skills and attitudes, clustering and sequencing contents, and designing suitable evaluation schemes. The relevance and appropriateness of the curricula are ensured by the involvement of polytechnic teachers, industrial representatives and faculty from institutions of higher learning and the officials of the Directorates of Technical Education at all stages of curriculum development. During 2021-2022, Curricula of 28 diploma programmes consisting of 419 courses were developed and 734 courses were revised for the polytechnics of Andhra Pradesh State. Seven courses were revised for the polytechnics of Telangana State

7.0 INSTRUCTIONAL MATERIALS DEVELOPMENT

During 2021-2022, the institute has updated the 70 course materials in various engineering subjects, and pedagogy for use by teachers of technical institutions.

8.0 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 the year, 70 videos (>5 minutes) and 80 videos (Minimum 30 minutes) were produced for short-course, SWAYAM, ARPIT and MOOC Based courses.

9.0 RESEARCH AND CONSULTANCY PROJECTS

The following four research (Table 12) and six consultancy projects (Table 13) sponsored by various funding agencies were undertaken by the faculty members of the Institute.

Table 12 Particulars of Research Projects during 2021-2022

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Sanctioned amount (Rs. in lakhs)
1.	Teacher Education under SWAYAM	MoE, New Delhi	From Oct. 2016	Prof. Dr. Usha Natesan Dr. P. Malliga Dr. G. Janardhanan Dr. V. Shanmuganeethi	Ongoing	495.00
2.	National Resource Centre (NRC-ARPIT-Swayam) – Sustainable Construction Materials and Technique	MoE, New Delhi	August 2020 to Till date	Dr. G. Janardhanan Dr. K. S. A. Dineshkumar Dr. E. S. M. Suresh	Ongoing	1.20
TOTAL						496.2

Table 13 Particulars of Consultancy Projects during 2021-2022

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Sanctioned amount (Rs. in lakhs)
1.	Mitigation Plan for Kargil Nagar	TNSCB, Chennai	From Feb 2019 to April 2021	Dr. G. Janardhanan	Completed	5.90
2.	Eco – Restoration of environmentally degraded tank in Krishnagiri	TNPWD, Chennai	From Mar 2020 to Mar 2022	Dr. G. Janardhanan	Ongoing	1.00
3.	Eco – restoration of environmentally degraded tank in Thiruvallur	TNPWD, Chennai	From Mar 2020 to Mar 2022	Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.00
4.	Testing of Water Quality in various Tanks of Tamil Nadu	TNPWD, Chennai	From Mar 2020 to Till date	Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	7.00
5.	ToT Programme for CSS Trainers	TNRTP, Chennai / VKP	From March 2022 to Till date	Prof. Dr. Usha Natesan Dr. K. S. Gridharan	Ongoing	4.20
TOTAL						19.10

10.0 NATIONAL PROJECTS

10.1. SWAYAM

SWAYAM is a programme initiated by the Ministry of Education, Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching-learning resources to all, including the most disadvantaged. SWAYAM

seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy. The NITTTR Chennai was designated as a National Coordinating Institute for Teacher Training programme and developing **44 SWAYAM** courses along with other three NITTTRs (Chandigarh, Bhopal & Kolkata). During this year, a total of 15 courses (Table 14) offered as New/Re-run through SWAYAM and around 24,431 participants enrolled these programmes.

Table 14 List of SWAYAM Courses (Teachers Training) offered by NITTTR's

National Coordinator: Prof. Dr. Usha Natesan, Director, NITTTR CHENNAI

SL. No	Name of the Courses	Coordinators Name	No of Enrollments
1.	Learning Management System _ MOODLE	Dr. V. Shanmuganeethi	814
2.	Guidance and Counselling	Dr. R. Rajendran	2536
3.	Technology Enabled learning	Dr. G. Janardhanan	1338
4.	Student Assessment	Dr. K. S. A. Dinesh Kumar	840
5.	OER for Empowering Teachers	Dr. P. Malliga	384
6.	Student Psychology	Dr. S. Renukadevi	2587
7.	Quality Assurance through NAAC Accreditation Process	Dr. E. S. M. Suresh	1378
8.	E-content Development	Dr. P. Malliga	3230
9.	Learning Management System _ MOODLE	Dr. V. Shanmuganeethi	543
10.	Guidance and Counselling	Dr. R. Rajendran	2746
11.	Technology Enabled learning	Dr. G. Janardhanan	698
12.	Student Assessment	Dr. K. S. A. Dinesh Kumar	528
13.	Student Psychology	Dr. S. Renukadevi	3041
14.	Quality Assurance through NAAC Accreditation Process	Dr. E. S. M. Suresh	1378
15.	E-content Development	Dr. P. Malliga	2390
Total			24431

10.2. National Initiatives for Technical Teachers Training (NITTT)

With rapidly changing technological scenario in view of ever-increasing globalization as well as competitiveness in modern times, the role of technical education in economic development has become very important but challenging. Also, as a consequence of intensive technological developments, the concerns of sustainability, environmental degradation, resource depletion and inclusive growth have become more relevant. The need for well-qualified engineers/ professionals is more critical for the solution of numerous complex problems that affect the quality of life of everyone, everywhere. In view of the above, the concerns for making the relevant educational curricula and training to teachers relevant to the global needs is becoming a top priority. Looking into the present needs, the AICTE has framed a policy in the name of “National Initiative for Technical Teachers Training (NITTT)”. This brings out character building of teachers, important facets of new teaching methodology and innovative means of transferring knowledge, in building a better educational ecosystem.

NITTTTR Chennai has been identified as the Coordinating agency for this policy. There are totally eight modules have been developed as stage-I modules and deployed in the <https://online-degree.swayam.gov.in>

- Module 1 - Orientation towards Technical Education & Curriculum Aspects.
- Module 2 - Professional Ethics & Sustainability.
- Module 3 - Communication Skills and Knowledge Dissemination
- Module 4 - Instructional Planning and Delivery
- Module 5 - Technology Enabled Learning and Life-long self-learning
- Module 6 - Student Assessment and Evaluation
- Module 7 - Creative Problem Solving, Innovation and Meaningful Research and Development
- Module 8 - Institutional Management & Administrative Procedures

All the inductee faculty members registering in the portal <https://nitттt.ac.in> which is designed and maintained by NITTTTR Chennai. The initiative is inaugurated by Our Hon’ble Minister of Education, Govt. of India on 11th January 2020. In the phase 1, the eight online courses have been prepared NITTTTRs (Chennai, Chandigarh and Bhopal) and it is applicable to the new inductee teachers and teachers who are in service but less than five years of teaching experience.

The contents are uploaded in the National MOOC platform, SWAYAM and the participants are encouraged to study and get transformed. The unique aspect of this policy is to incorporate Mentor based training and Industrial training in addition to these eight modules. National Testing Agency (NTA) has been identified as the nodal testing agency to conduct the proctored final examination and the module certification would be

done through NITTT. The final professional certification will be provided by NITTT after completing all the three phases (MOOCs, Mentor Training & Industrial Training) of learning. It will facilitate the faculty members towards enhancing the professional skills as per the 7th Pay Commission Gazette Notification. During the year, a total of 32268 participants enrolled in the NITTT portal and undergoing the MOOCs in the SWAYAM platform.

11.0 SCHEME OF COMMUNITY DEVELOPMENT THROUGH POLYTECHNICS

As a Direct Central Assistance Scheme, the scheme of Community Development Through Polytechnics (CDTP) was implemented during 2009 in 189 polytechnics in the Southern Region. The scheme was sponsored by the Ministry of Education, Govt. of India, New Delhi. During FY 2017-18 the scheme has been transferred from the Ministry of Education (MoE) to Ministry for Skill Development & Entrepreneurship (MSDE). The Scheme aims to uplift the rural youth, the school dropouts, the poor, the downtrodden etc., The number of polytechnics in each State implementing the Scheme of CDTP is presented in the following:

Andhra Pradesh	Telangana	Karnataka	Kerala	Tamil Nadu	Puducherry	Total
29	18	55	31	55	1	189

During this year, a total of 335 participants from Andhra Pradesh state and 168 participants from Telangana state were trained through this scheme.

The major areas of activities under the scheme by the polytechnics are:

- Need Assessment Survey
- Skill Development Training Programmes
- Dissemination and Application of Appropriate Technologies
- Technical and Support Services
- Awareness Programmes

To enable the project personnel associated with the implementation of CDTP scheme in their respective polytechnics, the Centre for Rural and Entrepreneurship Development (CRED) of the institute serves as a resource centre. The Polytechnics carryout the activities based on the Annual Operation Plan (AOP) approved by NITTTR. It conducts orientation training programmes, workshops and annual review of the scheme to verify Physical Achievement Report (PAR). Besides, the CRED assists the MSDE in preparation of various progress reports and the expenditure related matters.

12.0 INTEGRATING PERSONS WITH DISABILITIES INTO THE MAIN STREAM OF TECHNICAL AND VOCATIONAL EDUCATION

In accordance with the Persons with Disabilities Act – 1995 and the National Policy of Education (1986), the Ministry of Education, Govt. of India has launched a Centrally Sponsored Scheme for upgrading selected polytechnics in the country to integrate Persons with Disabilities (PWDs) into the main stream of technical and vocational education. (Table 15).

Objectives of the Scheme

- Promote education and training of PWDs in the main stream of technical and vocational education and skill development programmes through formal and non-formal Programme.
- Identify PWDs in the suitable geographic catchments of the polytechnics.
- Identify suitable education and training programmes for PWDs with special emphasis on formal skill development programmes for illiterate youth with disabilities, for promoting wage or self employment as far as possible at their place or residence.
- Design need and competence based curricula for PWDs
- Preparing/ procuring/ developing suitable resources, including physical, human and informational for effective implementation of the programme.
- Develop norms and standards for different phases of the scheme, wherever needed.
- Network and collaborate with resource institutions and other organizations and take their assistance for manpower training, guidance and effective implementation of the scheme.
- Sensitize administrators, planners, faculty, staff and students and community at large about the problems and capabilities of the students with disabilities and to create suitable environment in the polytechnics.
- Develop innovative educational technologies and approaches for education, training and rehabilitation of youth with disabilities.
- Strengthen the existing placement cells of polytechnics to help for providing guidance and counseling and placement of youth with disabilities for wage and self-employment opportunities.
- Evolve suitable methods and practices for monitoring the scheme.

Table 15 List of Polytechnics in the southern region implementing the PWD Scheme

State	Name of Polytechnic
Tamil Nadu	Dr. Dharmambal Govt. Polytechnic College for Women, Chennai
	Government Polytechnic College for Women, Coimbatore
	Arasan Ganesan Polytechnic College, Sivakasi
Puducherry	Women's Polytechnic , Lawspet
Kerala	Government Polytechnic, Kottayam
	Sree Rama Government Polytechnic, Thriprayar
Karnataka	Smt. L.V. Government Polytechnic, Hassan
	Government Polytechnic for Women, Mangalore
	Government Polytechnic, Belgaum

The Non-Formal courses were conducted in the following areas:

- Art and Handicraft
- Artificial Jewellery Making
- Basic Computer Skills
- Book Binding
- Candle Making
- Carpentry
- Costume Designing & Dress Making
- Data Entry Operator
- Desk Top Publishing
- Knitting & Door Mats Making
- Paper Envelop & Bag Making
- Phenyl Making
- Tailoring and Embroidery
- Type Writing

The implementation of the scheme was monitored through constant interaction with the officials of the concerned Polytechnics Project Champions.

13.0 IMPLEMENTATION OF THE USE OF HINDI LANGUAGE

To promote the use of Hindi in the Institute as envisaged by the Official Language Implementation Committee, a number of activities are being implemented during the year by the Hindi Cell of the Institute (Table 16).



Hindi Day Celebrations

Table 16 Details of Hindi Workshops/Hindi Day

Sl. No.	Workshop Title	Date	Venue	No. of Participants	Resource Person/ Chief Guest
1.	Hindi Pakhwada & Hindi Day Celebration	01.09.2021 to 14.09.2021 & 14.09.2021	NITTTR Chennai	73	Prof. Dr. Usha Natesan, Director, NITTTR, Chennai
2.	Hindi Workshop	01.09.2021		21	Shri. S. Thirumalai
3.	Hindi Workshop	16.12.2021		18	Shri. S. Thirumalai
4.	Hindi Workshop	18.02.2022		21	Shri. S. Thirumalai

14.0 FACULTY ACHIEVEMENTS

The faculty of the Institute served as experts in the curriculum development programme of various autonomous Polytechnics and Engineering Colleges in the southern states in addition to their professional assistance to AICTE, ISTE, MoE, MEA, DOTEs, Deemed Universities and Autonomous Engineering Colleges and Polytechnics either as members of Expert Committees or as Resource Persons.

14.1 Award

Name of the Faculty	Name of the Awards/ Medals/ Fellowships	Awarding Institution	National/ International	Year of Award
Dr. S. Renukadevi	ISPA Distinguished Service Award	ISPA, USA	International	2021

14.2 Book/Edited Book/Chapters published

S. No	Author's (s) Name	Name of the Chapter	Title of the Book	Publisher and Page No. (ISBN)
1.	Velapgy Madhu Mohan and Suresh E S M	Probabilistic Seismic Hazard Assessment Model for GIS based Seismic Risk Study in Thiruvananthapuram City, India	Disaster Resilience and Sustainability (edited by, Indrajit Pal, Rajib Shaw, Riyanti Djalante, Sangamshresthan,- AIT, Bangkok)	Elsevier Publications PP 117-149

14.3 Papers Presented in Conferences Proceedings

S. No	Author's (s) Name	Title	Name of the Conference Proceedings	Volume, Page No. & Year
1.	Jaganmuthu S, Janarthanan G and Jacob Immanuel S	Computational study on the drilling fluid influence on the concrete flow in piling operation	Proc. of Eighth Indian Young Geotechnical Conference	1, 2021
2.	Praveen Kumar R and Janarthanan G	Estimation of carbon footprint during piling operation	Proc. of Eighth Indian Young Geotechnical Conference	1, 2021
3.	Neru Prasad V.K, Haridharan G, Janathanan G and Dinesh Kumar K S A	Retrofitting of workshop floor with micropiles	Proc. of Eighth Indian Young Geotechnical Conference	1, 2021

14.4 Papers published in Journals

S. No	Author's (s) Name	Title	Name of Journal	Vol. (Issue) No.	Year
1.	Arul Kumaravelu and Suresh E S M	Industry expectations in competencies of fashion design graduates – A comparative study.	International Journal Mechanical Engineering	Vol No.: 7 Issue No.: 1 PP 90-96	2022
2.	Beena B R and Suresh E S M	Analysis of learning outcomes of civil engineering students of Kerala state using dimension reduction techniques.	Journal of Engineering Education Transformations	Vol No.: 35 Issue No.: 1	2022
3.	Beena B R and Suresh E S M	Outcome based assessment of engineering programs for achieving the quality assurance – A case study.	Journal Engineering Education Transformations	Vol No.: 35 Issue No.: 2 PP 73-80	2021

S. No	Author's (s) Name	Title	Name of Journal	Vol. (Issue) No.	Year
4.	Arul Kumaravelu and Suresh E S M	Comparison of Indian quality assurance models and accreditation parameters of higher education with international standards.	Journal Engineering Education Transformations	Vol No.: 35 Issue No.: 2 PP 81-90	2021
5.	Senthil M S and Suresh E S M	Physical characteristics of municipal solid wastes of perungudi landfill dump site for its sustainability.	Journal of the Mahararaja Sayajirao university of Baroda	Vol No.: 5 PP 181-191	2021
6.	Arul Kumaravelu and Suresh E S M	A framework to evaluate the quality assurance parameters of fashion technology courses in India.	Universal Journal of Educational Research	Vol No.: 9 Issue No.: 5 PP 1025 - 1036	2021
7.	Senthil M S and Suresh E S M	Study on geotechnical engineering and chemical analysis of amended red soil as landfill liner material.	Sambodhi	Vol No.:44 Issue No.: 2 PP 212-220	2021
8.	Senthil M S and Suresh E S M	Energy recovery analysis Perungudi landfill waste of Chennai, Tamil Nadu.	IOP conference Series: Earth and Environmental Science		2021
9.	Ulagamuthalvi V, Kulanthaivel G, Balasundaram A and Arun Kumar Sivaraman	Breast mammogram analysis and classification using deep convolution neural network.	Computer Systems Science and Engineering	Vol No.: 43 Issue No.: 1 PP 275 - 289	2022
10.	Khonde S R, Kulanthaivel G and Ulagamuthalvi V.	An ensemble approach for intrusion detection in collaborative attack environment.	Springer	Vol No.: 225 PP 137-146	2021
11.	Pauline T, Janarthanan G, Sangeetha P and Ashok V	Retrofitting of exterior beam column joint – A Review In: Naganathan S., Mustafa K.N., Palanisamy T. (eds) Sustainable practices and innovations in civil engineering. Lecture notes in civil engineering.	Springer	179	2022
12.	Arivalagan S, Dinesh Kumar K S A and Sudhakar R	Sustainable study on structural behavior of concrete by partial replacement of cement by Groundnut Shell Ash (GSA): A natural and eco-friendly approach.	Journal of Xian University of Architecture and Technology	Vol No.: 13 Issue No.: 10 PP 95 - 104	2021

S. No	Author's (s) Name	Title	Name of Journal	Vol. (Issue) No.	Year
13.	Arivalagan S and Dinesh Kumar K S A	Green concrete study on the strength characteristics of brick waste debris as partial replacement of fine aggregate in concrete.	NOVIY MIR Research Journal	Vol No.: 06 Issue No.: 10 PP 46 - 51	2021
14.	Arivalagan S and Dinesh Kumar K S A	Experimental investigation of hardened geopolymer aggregates as partial and full replacement of river sand in mortar cube.	International Journal for Research in Engineering Application and Management	Vol No.: 07 Issue No.: 07 PP 95 - 99	2021

15.0 ACHIEVEMENTS AND CONTRIBUTIONS OF DIRECTOR

15.1 Honours and Awards

15.1.1 Awards/ Fellowships

- Recipient of the Tamil Nadu Scientist Award (TANSA) from the Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu, 2021.
- Elected as the Fellow of the Academy of Sciences, Chennai, 2021.

15.1.2 Member of the National Policy Making Process

Reviewer to provide comments on the draft Policy Space Based Remote Sensing Policy of India - 2021 (Space RS Policy - 2021), Empowered Technology Group (ETG), Department of Space (DoS), Government of India, 2021.

15.1.3 Member of the Esteemed Policy Making Committees

- Member of the Skill Council, Shri Vishwakarma Skill University, Haryana, 2022 – 2024.
- Member of the Programme Advisory Committee (PAC) for peer review of the proposals received under Consolidation of University Research for Innovation and Excellence (CURIE) Programme, Ministry of Science and Technology, Government of India, 2022 – 2025.
- Member of the Technical Advisory Committee for the evaluation of the Central Sector Schemes of the Department of Science and Technology, NITI Aayog, Government of India, 2022.
- Member of the State Level Committee on Affiliation for Diploma Level Institution, Government of Tamil Nadu, Chennai, 2021-2024.

- Member of the All India Board of Technician Education of All India Council for Technical Education (AICTE), New Delhi, 2021- to till date.
- Member of the Governing Council of the National Instructional Media Institute (NIMI), Chennai under the Ministry of Skill Development and Entrepreneurship, New Delhi, 2021 - to till date.
- Member of the General Body of the National Instructional Media Institute (NIMI), Chennai under the Ministry of Skill Development and Entrepreneurship, New Delhi, 2021 - to till date.
- Member of the Executive Committee of the All India Council for Technical Education (AICTE), New Delhi, 2021 – 2024.
- Member of the Research Board of the Centre for Research, Anna University, Chennai, 2021- 2024.
- Member of the Executive Committee of the Centre for Research, Anna University, Chennai, 2021- 2024.
- Member of the Executive Committee of the Centre for Technology Development and Transfer (CTDT), Anna University, Chennai, 2021.

15.1.4 Member of the National Committees

- Member of the Technical Advisory Committee for Outcome-Based Evaluation and Assessment, Shri Vishwakarma Skill University, Haryana, 2022.
- Expert member to facilitate/ disseminate the achievements of AICTE during the celebration week “Vigyan Sarvatra Pujiyate” at Chennai, AICTE, New Delhi, February 22-28, 2022.
- Expert Committee Member to assess the application for Lilavati Award 2021-22 on Women Empowerment, AICTE, New Delhi, 2022.
- Expert Committee Member to rationalize the nomenclatures of Diploma Courses recommended by the All India Board of Technician Education (AIBTE), AICTE, New Delhi, 2022.
- Chairman of the Expert Committee for the promotion to the Departmental Scientists under Modified Flexible Complementing Scheme (MFCS), Department of Science and Technology, New Delhi, 2021.
- Chairman of the Expert Committee for the assessment of fulfilment of criteria laid down by UGC and other concerned statutory bodies of C.V.Raman Global University, Odisha, AICTE, New Delhi, 2021.
- Chairman of the Expert Committee for the assessment of fulfilment of criteria laid down by UGC and other concerned statutory bodies of MIT Art Design & Technology University, Maharashtra, AICTE, New Delhi, 2021.
- Expert Committee Member for the assessment of fulfilment of criteria laid down by UGC and other concerned statutory bodies of Anurag University, Telangana, AICTE, New Delhi, 2021.
- Chairperson for the CAS committee regarding CAS promotion for the Faculty Members of NITTTR Chennai, 2021.

- Expert Committee Member for the introduction of Integrated Ph.D. Programme and for the award of Teaching Research Fellowship, Indian Maritime University, Chennai, 2021.
- Expert Committee Member for the assessment of fulfilment of criteria laid down by UGC and other concerned statutory bodies of Ajeenkya D. Y. Patil University, Maharashtra, AICTE, New Delhi, 2021.

15.1.5 Membership in Professional Bodies

- Fellow, The Academy of Sciences, Chennai.
- Life Member, Indian Science Congress Association (ISCA), Kolkata, L40966.
- Annual Member, American Society for Engineering Education, Washington, D.C.

15.2 Publications

15.2.1 Books

Usha Natesan and R. Vishnunath, Beach Processes and Nearshore Hydrodynamics of Dhanushkodi, Rameswaram, India, Springer, Japan, 2021, P.119, ISBN 978-981-16-5796-2.

15.2.2 Chapter in Books

K. Manikanda Bharath, R. Ruthra, Judith D. Silva, Sathya Velusamy, Usha Natesan and Muhammad Zaffar Hashmi, Green Treatment Technologies for Microplastic Pollution in Microplastic Pollution Environmental Occurrence and Treatment Technologies - Emerging Contaminants and Associated Treatment Technologies, Springer Nature Switzerland AG, 2022, 467-481, ISBN 978-3-030-89219-7.

15.2.3 International and National Journals

- Manikanda Bharath Karuppasamy, Usha Natesan, Balamadeswaran Periyasamy and S. Srinivasalu, Short-Term Environmental Impact of Ambient Air Quality Trends during the COVID-19 Pandemic in India, Annals of Civil and Environmental Engineering, 2021, 5, 17-25.
- K. Manikanda Bharath, Usha Natesan, R. Vaikunth, R. Praveen Kumar, R. Ruthra and S. Srinivasulu, Spatial Distribution of Microplastic Concentration around Landfill Sites and its Potential Risk on Groundwater, Chemosphere (Elsevier), 2021, 277, 1-12. (IF: 7.086).
- K. Manikanda Bharath, S. Srinivasalu, Usha Natesan, Ramamoorthy Ayyamperumal, S. Nirmal Kalam, S. Anbalagan, K. Sujatha and C. Alagarasan, Microplastics as an Emerging Threat to the Freshwater Ecosystems of Veeranam Lake in South India: A Multidimensional Approach, Chemosphere (Elsevier), 2021, 264, 1-11. (IF: 7.086).

15.3 Member of the Advisory/ Organizing Committees of International and National Conferences/ Events

International Conference on Recent Advances in Water Resources, Environment and Geomatics Engineering (ICRAWEG 2022), National Institute of Technology Raipur, Raipur, March 2022.

15.4 Chief Guest in Events

- Inauguration of National Level Faculty Development Program exclusively for women on Life Skill Management under the AICTE Teaching and Learning (ATAL) scheme, National Institute of Technology, Tiruchirappalli, 2021.
- Inauguration of Faculty Induction Programme - Batch VIII, UGC - Human Resources Development Centre, University of Madras, Chennai, 2021.

16.0 ALUMNI MEET



Alumni members along with Director

The Alumni Cell of NITTTR Chennai conducted its first alumni meet on 05.12.2021 at NITTTR Chennai. Prof. Dr. Usha Natesan, Director NITTTR Chennai graced the occasion and delivered the Chief Guest address. The meeting was conducted in hybrid mode. Many alumni attended the meet both offline and online and they promised to extend support in all possible ways for the growth and development of their alma mater.

17.0 VISIT OF VIPs

17.1 Vice-President of India

Our honourable vice president Shri M. Venkaiah Naidu inaugurated the NITTTR Open Educational Resource (OER). The main objective of OER is to offer high-quality instructional resources for teachers to improve their knowledge base and teaching methodology through distance education. Similarly, NITTTR Chennai organized specially designed training programme to the faculty members of several institutions, including IIIT, IIITDM (23 institutes), National Institute of Technology, Tiruchirappalli, NIT Patna and others.



Director welcome address during the inauguration



Honourable Vice President Shri M. Venkaiah Naidu inaugurated the NITTTR Open Educational Resource

Shri M. Venkaiah Naidu inaugurated the NITTTR sports complex and addressed the faculty and staff that physical fitness plays an important role physically and mentally. This pandemic has once again highlighted the importance of physical fitness for better immunity and well-being. We must encourage the students to take up some sports or Yoga on a regular basis.



Honourable Vice President Shri M. Venkaiah Naidu inaugurated the NITTTR Sports Complex

17.2 Vice-Chancellor of Anna University



Glimpses of Institution Day

The institute has celebrated 58th institution day on 14.12.2022. Vice-Chancellor of Anna University, Chennai Prof. R. Velraj served as a chief guest of the institution day. Prof. Usha Natesan, Director, NITTTR Chennai, had enlightened the august gathering about the significant contributions of the Institute towards the creation of eminent teachers and successful leaders of the education sector. She also highlighted the future plans and the roadmap for the next five years to transform NITTTR Chennai into a “One-Stop Institute of

Excellence” globally. The Chairman, Board of Governors, Prof. V. S. S. Kumar had articulated the importance of uniformity in the curriculum design among higher education Institutions and the need for

assistance to faculty members in technology-enabled pedagogy. Prof. R. Velraj, Vice-Chancellor of Anna University, Chennai appreciated the institute for contribution to the development of technical education system in the country for the past five decades. Faculty and staff members were felicitated for their 25 years of service in the Institute.

18.0 ACKNOWLEDGEMENTS

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, Telangana, Karnataka, Kerala and Tamil Nadu 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;
- VII. The Press, All India Radio, Doordarshan for publicity and support for the institute's programmes and activities.

19.0 BOARD AND SUB-COMMITTEES

The composition of the Board of Governors, Finance Committee, Academic Council and other various committees of the Board are given below

A. NITTTR CHENNAI SOCIETY AND BOARD OF GOVERNORS (As on 31.03.2022)

Chairman

Prof. Dr. V.S.S. Kumar

Chairman – BOG of NITTTR, Chennai

Member-Secretary

Prof. Dr. Sudhindra Nath Panda

(Till 09.07.2021 FN)

Director, NITTTR, Taramani, Chennai.

Dr. Usha Natesan (From 09.07.2021 AN)

Director, NITTTR, Taramani, Chennai.

Members

**Nominee of the
Department of Education and Finance,
Government of India**

Joint Secretary (Admin)

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

Prof. Dileep N. Malkhede (Till 21.10.2021)

Advisor-I

All India Council for Technical Education
7th Floor, Chanderlok Building
Janpath, New Delhi - 110 001.

Dr. Neeraj Saxena (From 22.10.2021)

Advisor-I

All India Council for Technical Education
7th Floor, Chanderlok Building
Janpath, New Delhi - 110 001

NITTTR Faculty Representative

Dr. S. Renukadevi (Till 17.02.2022)

Professor & Head

Department of Engineering Education
NITTTR, Chennai – 600 113.

Dr. G. Kulanthaivel (From 18.02.2022)

Professor & Head

Department of Engineering Education
NITTTR, Chennai – 600 113.

Five Director of Technical
Education

Vacant

Two Industrialists / Technical
Professionals

1. Shri Pradeep Menon (Till 10.02.2022)
Zacco
Block 2, Cellar Floor, Rathinam Technical
Campus, Pollachi Main Road, Eachanari,
Coimbatore – 641 021.

2. Vacant

B. FINANCE COMMITTEE

Chairman

Prof. Dr. V.S.S. Kumar
Chairman – BOG of NITTTR, Chennai

Member-Secretary

Prof. Dr. Sudhindra Nath Panda
(Till 09.07.2021 FN)
Director, NITTTR, Taramani, Chennai.

Dr. Usha Natesan
(From 09.07.2021 AN)
Director, NITTTR, Taramani, Chennai.

Members
Nominee of the
Department of Education and Finance,
Government of India

Joint Secretary (Admin)
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.

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 Senior most Professor of the concerned subject 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. BUILDINGS COMMITTEE

Chairman

Dr. B.H. Bharat Kumar,
Chief Scientist & Head,
AML, CSIR-SERC, Chennai – 600 113.

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 7
nominated by the Director
One member from SC /ST not below the pay level of 12

Member Convener

Sr. Administrative Officer, NITTTR Chennai

4. ACADEMIC COUNCIL

Chairman

Director
NITTTR, Chennai-600 113.

Members

All Professors / Heads of Departments/Centers
Two Associate Professors
Two Assistant Professors
Two Eminent Persons from the Field of Technical Education & Industrialists

5. BOARD OF STUDIES FOR ALL ACADEMIC PROGRAMMES

- | | | |
|---|---|----------|
| 1. Director, NITTTR Chennai | - | Chairman |
| 2. All Professors | - | Member |
| 3. All Overseas Training Course Coordinators | - | Member |
| 4. Special Invitees (Faculty members on need) | - | Member |

6. GRIEVANCE REDRESSAL COMMITTEE

(Till 02.08.2021)

Dr. G. Kulanthaivel Professor & Head, Dept. of Electrical, Electronics & Communication Engineering	Chairman
---	----------

Dr. P. Malliga, Associate Professor & Head i/c Centre for Educational Media & Technology	Member
--	--------

Dr. G.A. Rathy Associate Professor Department of Electrical, Electronics and Communication Engineering	Member
---	--------

From 03.08.2021

Dr. S. Renukadevi Professor & Head Dept. of Engineering Education	Chairperson
---	-------------

Dr. G. Kulanthaivel Professor & Head, Dept. of Electrical, Electronics & Communication Engineering	Member
---	--------

Dr. M. Senthilkumar Associate Professor Dept. of Mechanical Engineering	Member (from 14.09.2021)
Dr. V. Shanmuganeethi Associate Professor & Head i/c Dept. of Computer Science & Engineering [Liaison Officer for SC/ST]	Member
Dr. S. Rajasekar Research Assistant Centre for Curriculum Development Planning & Coordination	Member
Dr. M. Ganesan Technical Assistant, Gr.I Dept. of Mechanical Engineering	Member (upto 13.09.2021)

7. INTERNAL COMPLAINT COMMITTEE (ICC) FOR PREVENTION OF SEXUAL HARASSMENT OF WOMAN AT WORK PLACE (Till 01.08.2021)

Dr. S. Renukadevi Professor & Head Dept. of Engineering Education	Chairperson
Dr. Aruna Dhathathreyan, Professor AcSIR, SERB Emeritus Scientist, & Retired Chief Scientist, CLRI, Chennai : External member familiar with relevant area.	Member
Dr. P. Malliga Associate Professor & Head i/c Centre for Educational Media & Technology, NITTTR Chennai	Member
Dr. G.A. Rathy Associate Professor, Dept. of Electrical, Electronics & Communication Engineering NITTTR, Chennai	Member
Dr. M. Ganesan Technical Assistant, Gr.I Dept. of Mechanical Engineering NITTTR Chennai	Member

Shri D. Lakshmanan Consultant OSD- Administration NITTTR Chennai	Member
Smt. V. Subalakshmi Accounts Officer NITTTR Chennai	Member
Smt. S. Indumathi Section Officer Gr.II NITTTR Chennai	Member Secretary

(From 02.08.2021)

Dr. P. Malliga Associate Professor & Head i/c Centre for Educational Media & Technology, NITTTR Chennai	Chairman
Smt. A.L.Ganthimathi Advocate No.24/1, Perumal Koil Lane, Karpagataru Villa, Kotturpuram, Chennai – 600 085.	Member
Dr. R. Santhakumar Professor & Head Centre for Rural & Entrepreneurship Development NITTTR Chennai	Member
Smt. K. Satyapriya Section Officer Gr.II Administration, NITTTR Chennai	Member

8. CHIEF VIGILANCE OFFICER

Dr. E.S.M. Suresh
Professor & Head,
Department of Civil & Environmental Engineering
NITTTR, Chennai

9. PUBLIC INFORMATION OFFICER

Dr. R. Ravichandran
Sr. Librarian
Resource Centre, NITTTR Chennai

10. PARTICULARS OF COMMITTEE MEETINGS

	No.	Date	Venue
Board of Governors	46 th	25.06.2021	NITTTR, Chennai
	47 th	28.10.2021	NITTTR, Chennai
Finance Committee	44 th	25.06.2021	NITTTR, Chennai
	45 th	28.10.2021	NITTTR, Chennai
Annual General Meeting of NITTTR Chennai Society	16 th	28.10.2021	NITTTR, Chennai

LIST OF FACULTY

Director	Dr. Sudhindra Nath Panda (Till 09.07.2021 FN) Dr. Usha Natesan (From 09.07.2021 AN)
Centre for Academic Studies and Research	Dr. E.S.M. Suresh (Till 14.12.2021) Professor & Head i/c Dr. S. Renukadevi (From 15.12.2021) Professor & Head
Centre for Curriculum Development, Planning & Coordination – w.e.f. 29.11.2021 rechristened as Department of Curriculum Development, Planning & Coordination	Dr. G. Janardhanan Associate Professor, Head i/c
Centre for Educational Management and Applied Psychology – w.e.f. 29.11.2021 rechristened as Department of Educational Management and Applied Science	Dr. R. Rajendran Professor & Head
Centre for Educational Media and Technology – w.e.f. 29.11.2021 rechristened as Department of Educational Media and Technology	Dr. P. Malliga Associate Professor & Head i/c Shri A.P. Felix Arokiya Raj Assistant Professor
Centre for International Affairs	Dr. G. Janardhanan (Till 14.12.2021) Associate Professor & Head i/c Dr. G. Kulanthaivel (From 15.12.2021) Professor & Head
Centre for Rural & Entrepreneurship Development	Dr. R. Santhakumar (Till 14.12.2021) Professor & Head Dr. K.S. Giridharan (From 15.12.2021) Associate Professor & Head i/c
Department of Civil & Environmental Engineering	Dr. E.S.M. Suresh (Till 14.12.2021) Professor & Head Dr. E.S.M. Suresh Professor Dr. R. Santhakumar (From 15.12.2021) Professor & Head Dr. G. Janardhanan Associate Professor Dr. K.S.A. Dinesh Kumar Associate Professor

Department of Computer Science & Engineering

Dr. V. Shanmuganeethi
Associate Professor & Head i/c

Department of Electrical, Electronics and Communication Engineering

Dr. G. Kulanthaivel (Till 14.12.2021)
Professor & Head

Dr. G.A. Rathy (From 15.12.2021)
Associate Professor & Head i/c

Dr. P. Sivasankar
Associate Professor

Department of Engineering Education

Dr. E.S.M. Suresh (From 15.12.2021)
Professor & Head

Dr. K.S. Giridharan
Associate Professor

Department of Mechanical Engineering

Dr. S. Somasundaram
Associate Professor & Head i/c

Er. M. Senthilkumar
Associate Professor

Extension Centre, Bengaluru

Er. V. Sivakumar
Associate Professor & Head i/c

Extension Centre, Hyderabad

Dr. Umasanker Sahu
Associate Professor & Head i/c

Extension Centre, Kalamassery

Shri V. A. Shamsudeen
Project (C) & Head i/c

Extension Centre, Vijayawada

Dr. C.R. Nagendra Rao
Professor & Head

Resource Centre

Dr. R. Ravichandran
Sr. Librarian

HOSTEL

Warden

Dr. Sudhindra Nath Panda (upto 09.07.2021 FN)
Director

Dr. Usha Natesan (From 09.07.2021 AN to 05.12.2021)
Director

Dy. Warden
NITTTR Trainees Guest House – I & II

Assistant Warden
NITTTR Trainees Guest House – I & II

Dy. Warden
International Guest House

Assistant Warden
International Guest House

Warden
- Trainees Guest House – I & II
- International Guest House

Dr. G. Janardhanan (Till 05.12.2021)
Associate Professor

Er. D.V. Suryanarayana (Till 05.12.2021)
Computer Programmer

Dr. G. Janardhanan (Till 05.12.2021)
Associate Professor

Dr. S. Rajasekar (Till 05.12.2021)
Research Assistant

Dr. S. Rajasekar (From 06.12.2021)
Research Assistant

REPORT ON ACCOUNTS 2021-22

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

**Separate Audit Report of the Comptroller & Auditor General of India on the Accounts
of National Institute of Technical Teachers Training and Research, Chennai for the
year ended 31 March 2022**

We have audited the attached Balance Sheet of National Institute of Technical Teachers Training and Research, Chennai as at 31 March 2022, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date 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 2022-23. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2 This Separate 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 and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Report/CAG's Audit Reports separately.

3 We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4 Based on our audit, we report that:

- i. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by Ministry of Education (erstwhile Ministry of Human Resource Development).
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by National Institute of Technical Teachers Training and Research, Chennai as required in the rules and regulations of the Institute in so far as it appears from our examination of such books.
- iv. We further report that:

A. Effect of Revision in Accounts

Accounts of the Institute were revised based on audit observations. As a result of revision, Assets and Liabilities increased by ₹26.95 lakh and surplus of ₹5.29 crore has become deficit of ₹115.68 crore.

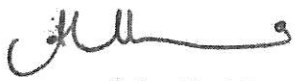
B. Grants-in-aid

Out of the Grants-in-aid of ₹25.50 crore received for the year 2021-22 and ₹14.85 crore being unspent balance of the previous year, the Institute could utilize ₹25.84 crore leaving a balance of ₹14.51 crore as unutilized grant as on 31 March 2022.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.
- vi In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
 - a. In so far as it relates to the Balance Sheet, of the state of affairs of National Institute of Technical Teachers Training and Research, Chennai as at 31 March 2022; and
 - b. In so far as it relates to Income & Expenditure Account, of the deficit for the year ended on that date.

for and on behalf of the C&AG of India

Place: Chennai - 18
Date: 27.9.2022


Principal Director of Audit (Central), Chennai

Annexure

1. Adequacy of Internal Audit System:

Internal audit was conducted by a Chartered Accountant Firm for the year 2021-22.

2. Adequacy of Internal Control System:

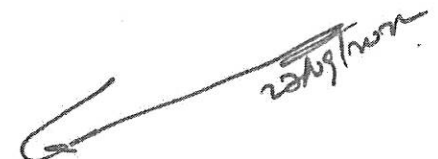
Internal control needs to be strengthened as Consolidated Fixed Assets Register was not maintained and Physical verification of Fixed Assets and Inventories was not carried out for 2021-22.

3. System of Physical verification of Fixed Assets and Inventories:

Physical verification of Fixed Assets and Inventories was not carried out for 2021-22.

4. Regularity in payment of statutory dues

The Institute was regular in payment of statutory dues.



Deputy Director/ CE

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

ANNUAL ACCOUNTS 2021-22

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113
BALANCE SHEET AS AT 31.03.2022

SOURCES OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2021-22	Previous Year 2020-21
CORPUS/CAPITAL FUND	1	(47,88,87,691.21)	92,03,22,844.21
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	21,85,40,309.85	-
CURRENT LIABILITIES & PROVISIONS	3	1,41,13,05,137.08	19,90,65,414.96
TOTAL		1,15,09,57,755.72	1,11,93,88,259.17

APPLICATION OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2021-22	Previous Year 2020-21
FIXED ASSETS			
Tangible Assets	4	35,50,00,343.69	64,21,99,729.79
Intangible Assets		12,20,287.80	
Capital Works-In-Progress	5	29,60,18,972.00	-
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS			
Long Term			
Short Term			
INVESTMENTS- OTHERS	6		
CURRENT ASSETS	7	49,16,54,711.49	46,28,52,705.38
LOANS, ADVANCES & DEPOSITS	8	70,63,440.74	1,43,35,824.00
TOTAL		1,15,09,57,755.72	1,11,93,88,259.17

SIGNIFICANT ACCOUNTING POLICIES 24
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS 25

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31.03.2022

Particulars	Schedule	Amount in Rs.	
		Current Year 2021-22	Previous Year 2020-21
INCOME:			
Academic Receipts	9	5,14,917.00	5,18,400.00
Grants / Subsidies	10	31,26,05,387.67	21,48,71,368.82
Reserves & Surplus utilized for Revenue Expenditure		6,20,57,592.45	-
Income from investments	11	7,83,557.00	23,21,739.00
Interest earned	12	28,08,298.93	73,73,478.95
Other Income	13	39,53,265.02	37,13,228.22
Prior Period Income	14	(8,57,10,807.45)	2,32,44,438.32
TOTAL (A)		29,70,12,210.62	25,20,42,653.31
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	15	1,38,23,42,086.00	17,02,46,279.00
Academic Expenses	16	14,95,022.00	5,13,874.00
Administrative and General Expenses	17	3,18,14,080.19	2,49,70,921.52
Transportation Expenses	18	7,47,313.30	5,41,545.00
Repairs & Maintenance	19	25,22,992.10	16,13,848.00
Finance costs	20	-	-
Depreciation	4	2,04,54,426.05	1,64,36,228.01
Other Expenses	21	-	-
Prior Period Expenses	22	2,46,558.78	3,83,694.00
General Expenses	23	1,41,93,401.60	1,73,94,509.30
TOTAL (B)		1,45,38,15,880.02	23,21,00,898.83
Balance being excess of Income over Expenditure (A-B)			
Transfer to / from Designated Fund			
Building fund			
Others (specify)			
Balance Being Surplus / (Deficit) Carried to Capital Fund		(1,15,68,03,669.40)	1,99,41,754.48

Significant Accounting Policies

Contingent Liabilities and Notes to Accounts

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SCHEDULE -1 CORPUS/CAPITAL FUND

		Amount in Rs.	
Particulars		Current Year 2021-22	Previous Year 2020-21
Balance at the beginning of the year		92,03,22,844.21	84,59,41,105.86
Add:	Contributions towards Corpus/Capital Fund	(14,13,44,475.68)	13,75,33,949.38
Add:	Contributions towards Corpus/Capital Fund - OTC	(2,97,20,347.00)	(11,00,65,239.00)
Add:	Grants from UGC, Government of India and State Government to the utilized for capital expenditure	(5,41,95,843.22)	3,67,10,152.00
Add:	Contributions towards Corpus/Capital Fund - SWAYAM	(1,54,16,081.00)	(1,24,12,385.00)
Add:	Assets Purchased out of Earmarked Funds		
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the institution	10,62,449.00	24,000.00
Add:	Assets Donated/Gifts Received		
Add:	Adjustment of Depreciation (Swayam Fund) twice taken last year	-	-
Total		68,07,08,546.31	89,77,31,583.24
Less:	Over statement of accrued interest		
Add:	Project Account - Capital Fund	(27,92,568.12)	31,90,696.12
Less:	EB Deposit added in Electricity charges for the past years	-	-
Less:	OTC Liability inadvertently credited to Capital		(5,41,189.63)
Plan Grant Revenue Expenditure			
Add:	Excess of Income over expenditure transferred from the Income & Expenditure Account	(1,15,68,03,669.40)	1,99,41,754.48
Total		(47,88,87,691.21)	92,03,22,844.21
(Deduct) Deficit transferred from the Income & expenditure Account			
Balance at the year end			

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

Amount in Rupees						
Particulars	PWD Scheme	AICTE SDP	Rajiv Gandhi N F/W	Total		
				Current Year	Previous Year	
A.						
a) Opening Balance				-	3,60,151.00	
b) Additions during the year						
c) Income from investments made of the funds						
d) Accrued Interest on investments/Advances						
e) Interest on Savings Bank a/c						
f) Other additions (Specify nature)						
Total (A)	-	-	-	-	3,60,151.00	
B.						
Utilisation/Expenditure towards objectives of funds						
i) Capital Expenditure						
ii) Advance to CPWD						
iii) Revenue Expenditure						
iv) Transferred to Corpus Fund				-	3,60,151.00	
Total (B)	-	-	-	-	3,60,151.00	
Closing balance at the year end (A - B)	-	-	-	-	-	
Represented by						
Cash And Bank Balances						
Investments						
Interest accrued but not due						
Total						

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. Sl.No	2. Name of the Endowment	Amount in Rupees									
		Opening Balance on 1.4.2021		Additions during the Year		Total		Expenditure on the object during the year	Closing Balance on 31.03.2022		Total (10+11)
		3	4	5	6	7	8		10	11	
		Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4+6)		Endowment	Accumulated Interest	
						Nil					
	Total										

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 01-04-2021	Add Generation during the Year	Less Utilised for Capital Account	Less Utilised for Revenue Account	Closing Balance 31-03-2022
1	Corpus Fund	0	15,00,00,000.00	0	0	15,00,00,000.00
2	Reserves and Surplus	0	6,85,40,309.85	0	0	6,85,40,309.85
3	Total	0	21,85,40,309.85	0	0	21,85,40,309.85

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

	Amount in Rupees	
	Current Year 2021-22	Previous Year 2020-21
A. CURRENT LIABILITIES		
1. Deposits from Staff		
Caution Deposit for staff Quarters	75,000.00	-
Staff Quarters	1,21,860.00	1,21,860.00
2. Deposits from Students		
Caution Deposit for Ph.D	25,000.00	25,000.00
Scholarship for M.Tech - HRD Deposit	-	-
Boarding Charges - Hostel	-	-
Research Scholar - FIP	-	-
M.E.(IEM) - Caution Deposit	80,000.00	80,000.00
Emerging Area Course Fees Refundable	-	-
3. Sundry Creditors		
a) For Goods & Service		
Cofmow Equipments	-	-
Tamil Nadu Book House	-	-
b) Others	-	-
4. Deposit- Others (including EMD, Security Deposit)		
AICTE UKIERI Work shop		
Earnest Money Deposit	15,000.00	1,72,000.00
Community Hall Deposit	-	-
Caution Deposit for Canteen	-	-
Security Deposit	-	-
GSLIS		
5. Statutory liabilities (GPF, TDS WC TAX, CPF, GIS, NPS):		
a) Overdue		
b) Others		
Property Tax Payable	-	-
Duties and Taxes	1,82,943.00	7,05,528.00

Duties & Taxes - Project

87,084.00

6. Other Current Liabilities		
a) Salaries		
b) Receipts against Sponsored Projects		
OTC	1,17,05,571.00	-
INTEREST TO BE REFUNDED TO GOVERNMENT	44,90,838.00	-
Project Account Liabilities	1,30,20,132.00	2,21,18,776.43
c) Receipts against sponsored fellowships & Scholarships		
d) Unutilised Grants	14,50,92,906.08	14,85,02,450.53
e) Grants in advance		
f) Other funds : Corpus Fund	-	-
GPF - Interest on Special Deposit (to be transferred to GPF)	-	-
g) SWAYAM Sponsored Projects	81,64,753.00	-
h) Other Liabilities :		
IDDS	-	36,21,642.00
CPSC	-	-
NIWE	-	1,75,894.00
SP-02 IM&ID Anna U	-	55,863.00
TNSCB PROG	-	8,81,290.00
Training BHUTAN Pro	-	5,83,466.00
DST NIMAT Training Programme	-	-
LAHEI - Afghanistan	-	14,66,674.00
ITP on EIT and RB&I (Indonesia)	-	17,85,376.00
NITTTR Contribution	-	-
Training of Trainers	-	78,000.00
Workshop Embedded Systems	-	80,000.00
Workshop on PLC & SCAD	-	53,000.00
Workshop on WPRJP	-	88,500.00
AICTE NITTTR Workshop	-	12,250.00
ATAL-BLFC (Online FDP) - AICTE	-	91,000.00
ATAL LMS 08	-	93,000.00
ECD for 21st Century Learners	-	3,04,000.00
ICAI - CA Exam 2020-21	-	1,47,500.00
IIT, Hyderabad - Third Party Audit	-	56,000.00
NIWE Programme - 2020 - 21	-	-
NIWE Programme - 2020 - 21	-	11,789.00
AICTE - ISTE Refresher Course	(9,000.00)	
E- Content Development & LMS - EFDP 02	80,000.00	
EFDP-03 OT&E Jaypee IoT Noida	80,000.00	
Hands on Trg Prog - WQA YR	9,000.00	
SA&E Course_IMU	80,000.00	
ToT for CSS Trainers (TNRTP)	2,10,000.00	
Training of Trainers_2022 (ECB)	95,930.00	
Institute Overhead - Project & Trg Progs		1,34,931.00
Swayam CB Workshop	3,74,746.00	3,74,746.00
Total (A)	18,38,94,679.08	18,19,07,619.96
B. PROVISIONS		
1. For Taxation		
2. Gratuity	4,83,04,612.00	
3. Superannuation Pension	1,09,24,27,594.00	
4. Accumulated Leave Encashment	6,46,04,317.00	
5. Trade Warranties /Claims		
6. Outstanding Expenses:		
OH Outstanding Expenses	2,20,53,900.00	
Staff Salary		82,83,583.00
Pension Payments		48,33,097.00
EL Encashments		15,288.00
Contractual Employment		17,93,369.00
Maintenance expenses like Security & House keeping charges, Water charges, etc.		13,33,644.00
Outstanding to Fellowship Scholars		1,69,786.00
Building & Electrical Maint., Reimbursement of Medical Bills & Others		7,29,028.00
Withheld - Dr. GA Rathy (ISTE)	8,000.00	
WithHeld - V. Senthamizhselvan	10,035.00	
Audit Fees Payable	2,000.00	-
Total (B)	2,20,73,935.00	1,71,57,795.00
Total (A+B)	20,59,68,614.08	19,90,65,414.96

SCHEDULE - 3 (a) SPONSORED PROJECTS

1. Sl. No.	2. Name of the Project	Opening Balance on 01.04.2021		5. Receipts/ Recoveries during the year	6. Total	7. Expenditure during the year	Closing Balance on 31.03.2022	
		3. Credit	4. Debit				8. Credit	9. Debit
1	IDDS	36,21,642.00		78,705.00	37,00,347.00	37,00,347.00	-	
2	CPSC	-			-	-	-	
3	NIWE PROGRAMME	1,75,894.00		-	1,75,894.00	1,75,894.00	-	
4	SP-02 IM&ID Anna U	55,863.00		-	55,863.00	55,863.00	-	
5	TNSCB PROG	8,81,290.00		-	8,81,290.00	8,81,290.00	-	
6	Training BHUTAN Prog	5,83,466.00		-	5,83,466.00	5,83,466.00	-	
7	ITP on EIT & RB&I (Indonesia)	17,85,376.00		-	17,85,376.00	17,85,376.00	-	
8	Workshop Embedded System	80,000.00		-	80,000.00	80,000.00	-	
9	Workshop On PLC & SCAD	53,000.00		-	53,000.00	53,000.00	-	
10	Workshop On WPRIP	88,500.00		-	88,500.00	88,500.00	-	
11	Training of Trainers	78,000.00		-	78,000.00	78,000.00	-	
12	LAHEI AFGHANISTAN	14,66,674.00		-	14,66,674.00	14,66,674.00	-	
13	DST PROGRAMME	-		-	-	-	-	
14	AICTE NITTR Workshop	12,250.00		-	12,250.00	12,250.00	-	
15	ATAL- 3 EQE (Online FDP) - AICTE	-		-	-	-	-	
16	ATAL-BLFC (Online FDP) - AICTE	91,000.00		-	91,000.00	91,000.00	-	
17	ATAL-Cloud Technology (Online FDP) - AICTE	-		-	-	-	-	
18	ATAL-IOT (Online FDP) - AICTE	-		1,86,000.00	1,86,000.00	1,86,000.00	-	
19	ATAL LMS 08	93,000.00		-	93,000.00	93,000.00	-	
20	ATAL - LMS (Online FDP) - AICTE	-		95,000.00	95,000.00	95,000.00	-	
21	ECD for 21st Century Learners	3,04,000.00		-	3,04,000.00	3,04,000.00	-	
22	ICAI - CA Exam 2020-21	1,47,500.00		2,31,606.00	3,79,106.00	3,79,106.00	-	
23	IIT, Hyderabad - Third Party Audit	56,000.00		-	56,000.00	56,000.00	-	
24	NIWE Programme - 2020 - 21	11,789.00		-	11,789.00	11,789.00	-	
25	AICTE - ISTE Refresher Course	-		81,000.00	81,000.00	90,000.00	(9,000.00)	
26	ATAL 03 - Electric Vehicle Engineering	-		93,000.00	93,000.00	93,000.00	-	
27	ATAL - Emotional Intelligence	-		93,000.00	93,000.00	93,000.00	-	
28	E- Content Development & LMS - EFDP 02	-		80,000.00	80,000.00	80,000.00	80,000.00	
29	EFDP-03 OT&E Jaypee Iot Noida	-		80,000.00	80,000.00	80,000.00	80,000.00	
30	Hands on Trg Prog - WQA YR	-		9,000.00	9,000.00	9,000.00	9,000.00	
31	SA&E Course IMU	-		80,000.00	80,000.00	80,000.00	80,000.00	
32	ToT for CSS Trainers (TNRTP)	-		2,10,000.00	2,10,000.00	2,10,000.00	2,10,000.00	
33	Training of Trainers 2022 (ECB)	-		1,45,000.00	1,45,000.00	49,070.00	95,930.00	
34	Training of Trainers STAR AIR	-		1,20,000.00	1,20,000.00	1,20,000.00	-	
35	Transparency Third Party Audit Services	-		7,60,000.00	7,60,000.00	7,60,000.00	-	
	Total	95,85,244.00	-	23,42,311.00	1,19,27,555.00	1,13,81,625.00	5,45,930.00	-

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) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Amount in Rupees

1. Sl No	2. Name of Sponsor	Opening Balance As On 01.04.2021		Transactions During the year		Closing Balance As On 31.03.2022	
		3 Cr.	4 Dr.	5 Cr.	6 Dr.	7 Cr.	8 Dr.
1	University Grants Commission						
2	Ministry.....						
3	Others (Specify individually)						
	Total						

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 2021-22	Previous Year 2020-21
A. Plan grants: Government of India		
Balance B/F	14,85,02,450.53	9,45,83,971.35
Add: Receipts during the year	25,50,00,000.00	30,55,00,000.00
Total (a)	40,35,02,450.53	40,00,83,971.35
Less Refunds		
Less: Utilized for Revenue Expenditure	31,26,05,387.67	21,48,71,368.82
Less: Utilized for Capital expenditure	(5,41,95,843.22)	3,67,10,152.00
Total(b)	25,84,09,544.45	25,15,81,520.82
Unutilized carried forward (a-b)	14,50,92,906.08	14,85,02,450.53
B. UGC grants: Plan		
Balance B/F		
Receipts during the year		
Total (c)	NIL	
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
Total (d)	NIL	
Unutilized carried forward (c-d)		

C. UGC Grants Non Plan			
Balance B/F			
Receipts during the year			
Total (e)	NIL		
Less Refunds			
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
Total (f)	NIL		
Unutilized carried forward (e - f)			
D. Grants from State Govt.			
Balance B/F			
Receipts during the year			
Total (g)	NIL		
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
Total (h)	NIL		
Unutilized carried forward (g - h)			
*Grand Total (A+B+C+D)	14,50,92,906.08	14,85,02,450.53	

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

Plant:

Sl. No.	Assets Heads	RATE	GROSS BLOCK					Amount in Rupees				
			Op Balance 01.04.2021	RECTIFICATION OF OPENING BALANCE	Additions	Deductions	Closing Balance	Dep Opening Balance	RECTIFICATION OF OPENING BALANCE	Depreciation for the Year	Deductions / Adjustment	Net Block 31.03.21
1	Land Free Hold		2,68,500.00				2,68,500.00					31.03.21
2	Site Development	2.00%										2,68,500.00
3	Buildings		33,43,33,689.00	9,21,51,292.50		6,15,93,233.00	36,48,91,748.50	3,08,36,211.00	6,13,15,081.50	72,97,834.97		26,54,42,621.03
4	Roads & Bridges											33,43,33,689.00
5	Tubewells & Drainage											
6	Sewerage & Water Supply											
7	Electrical Installation and equipment	5.00%	73,237.00	44,91,654.00			45,64,891.00	55,561.00	44,36,093.00	9,834.65		63,402.35
8	Plant & Machinery	5.00%	88,31,237.00	1,35,08,832.00			2,23,40,069.00	66,47,480.00	68,61,352.00	10,03,448.50		78,27,788.40
9	Scientific & Laboratory Equipment											
10	Office Equipment	7.50%	3,53,59,676.00	1,42,30,488.45	16,150.00		4,96,06,314.45	1,25,57,646.00	16,72,842.45	36,20,551.50		3,17,55,745.50
11	Audio Visual Equipment	7.50%		2,32,645.00	3,73,769.00		6,06,414.00		2,32,645.00	45,481.05		3,17,55,745.50
12	Computers & Peripherals	20.00%	1,10,47,954.00	4,59,16,544.00	8,32,940.00	1,08,41,208.62	4,69,56,239.38	1,77,09,592.00	2,82,06,952.00	28,79,876.60	1,08,41,208.62	3,17,55,745.50
13	Furniture, Fixtures & Fittings	7.50%	39,74,410.00	96,07,211.88			1,35,81,621.88					3,17,55,745.50
14	Vehicles	10.00%	20,10,849.00	25,85,303.22			45,96,152.22	29,89,410.00	66,17,801.88	3,43,882.58		3,17,55,745.50
15	Lib. Books & Scientific Journals	10.00%	50,02,822.00	70,63,363.13	47,030.00	46,439.00	1,20,66,776.13	4,53,713.00	21,31,590.22	2,06,250.20		3,17,55,745.50
16	Smart Classroom							26,72,103.00	43,91,260.13	4,77,942.20	46,439.00	3,17,55,745.50
17	Small Value Assets	7.50%	27,09,718.00	1,91,874.83			23,89,277.83	18,97,469.00	17,05,594.17	3,55,465.20	5,12,233.75	27,09,718.00
18	Other Assets	5.00%	15,04,001.00	32,51,165.00	99,275.00		47,94,439.00	79,158.00	31,72,007.00	1,46,835.30		3,17,55,745.50
19	Equipments	8.00%	1,88,23,688.55	13,40,85,700.55	1,04,48,235.00	2,28,179.75	16,31,29,444.35	17,55,712.00	13,23,29,985.55	27,16,117.76	2,28,179.75	1,88,23,688.55
	Total (A)		42,39,39,781.55	32,73,16,074.56	1,17,57,397.00	7,32,21,375.37	68,97,91,877.74	7,76,54,055.00	24,96,62,019.56	1,91,03,520.61	1,16,28,061.12	35,50,00,343.69
18	Capital Work in Progress											42,39,39,781.55
	Class Room Construction WIP		21,52,10,858.00		8,08,08,114.00		29,60,18,972.00					29,60,18,972.00
	Building Renovation WIP											
	Computers-WIP											
	Total (B)		21,52,10,858.00				29,60,18,972.00					29,60,18,972.00
	Total (A+B)		63,91,49,639.55	32,73,16,074.56	1,17,57,397.00	7,32,21,375.37	98,58,10,849.74	7,76,54,055.00	24,96,62,019.56	2,12,54,041.21	1,17,45,436.87	66,03,64,611.55
	Intangible Assets											
19	Computer Software	40.00%	16,96,343.00	45,61,021.00	7,27,615.00		69,84,979.00	32,00,209.00	13,60,812.00	12,03,670.20		57,64,691.20
20	E-Journals	20.00%	2,90,298.24	9,91,654.76		12,81,953.00		1,63,292.76	8,28,362.00	2,90,298.24	12,81,953.00	16,96,343.00
21	Patents											
	Total (C)		19,86,641.24	55,52,675.76	7,27,615.00		69,84,979.00	33,63,501.76	21,89,174.00	14,93,968.44		57,64,691.20
	Grand Total (A+B+C)		64,11,37,280.79	33,28,68,750.32	9,32,93,126.00	7,32,21,375.37	99,27,95,828.74	8,10,17,556.76	25,18,51,193.56	2,05,97,489.05	1,29,10,014.12	65,22,39,603.49
	Swavam		64,11,37,280.79	33,28,68,750.32	9,32,93,126.00	7,32,21,375.37	99,27,95,828.74	8,10,17,556.76	25,18,51,193.56	2,05,97,489.05	1,29,10,014.12	65,22,39,603.49
1	Audio Visual Equipment	7.50%	3,73,769.00			3,73,769.00		2,32,645.00	(2,32,645.00)			3,73,769.00
2	Other Equipment	7.50%	39,273.00			39,273.00		15,085.00	(15,085.00)			39,273.00
	Corpus Fund Account											
1	Laptop to Facilities	20.00%	6,49,407.00			6,49,407.00		6,14,356.00	(6,14,356.00)			6,49,407.00
	Total (D)		64,21,99,729.79	33,28,68,750.32	9,32,93,126.00	7,42,83,824.37	99,27,95,828.74	8,18,79,642.76	25,09,69,107.56	2,05,97,489.05	1,29,10,014.12	65,22,39,603.49
	Total (A+B+C+D)		1,28,13,47,410.34	66,07,36,520.64	1,27,50,522.00	1,47,05,209.74	1,98,58,657.48	1,65,42,697.76	50,38,10,307.12	4,12,54,978.10	1,41,20,028.24	1,24,16,679.24

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.

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.

Accumulated Depreciation (Total Depreciation) out of Assets of Swavam and Corpus Funds also included in the depreciation for the year in the respective assets.

Rectification of Opening balance is addition of opening accumulated depreciation to the previous opening WDV in order to restore the values of Gross block (historic cost)

Note: Depreciation of Equipment includes an amount of Rs.143063.00 which relates to Previous Financial Year and hence shown under Prior Period Expenses under Schedule 22

SCHEDULE 4A PLAN

Amount in Rupees

Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2021-22				Net Block	
		Op Balance 01.04.2021	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.2022	31.03.2021
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 01.04.2021	Additions	Deductions	CI Balance	Dep Opening Balance	Amortization for the Year	Deductions / Adjustments	Total Amortization n/ Adjustment	31.03.2022	31.03.2021
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 2021-22				Net Block		
		Op Balance 01.04.2021	Additions	Deductions	CI Balance	Dep Opening Balance	Deprecia tion for the Year	Deductions / Adjustment	Total Depreciation	31.03.22 31.03.21
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									
Total (A)										
17	Capital Work in Progress (B)									
Sl. No.	Intangible Assets	Op Balance 01.04.2021	Additions	Deductions	CI Balance	Dep Opening Balance	Amortiza tion for the Year	Deductions / Adjustments	Total Amortization/ Adjustments	31.03. 2022 31.03. 2021
18	Computer Software									
19	E-Journals									
20	Patents				Nil					
Total (C)										
Grand Total (A+B+C)										

SCHEDULE 4 C- INTANGIBLE ASSETS

Sl. No.	Asset Heads	Gross Block				Depreciation Block				Net Block	
		Op. Balance 01.4.2021	Additions	Deductions	Cl. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03. 2022	31.03. 2021
1	Patents & Copyrights					Nil					
2	Computer Software										
3	E - Journals										

Amount in Rupees

SCHEDULE 4(C) (i) PATENTS AND COPYRIGHTS

Particulars	Amounts in Rupees.				
	Op. Balance	Addition	Gross	Amortization	Net Block 2021-22
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		
Total					

Particulars	Amounts in Rupees.				
	Op. Balance	Addition	Gross	Patents Granted/ Rejected	Net Block 2021-22
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		
Total					
C. Grand Total (A+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 2021-22				Amount in Rupees	
		Op Balance 01.04.2021	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	Net Block
1	Land									
2	Site Development									
3	Buildings									
4	Roads & Bridges									
5	Tubewells & Water Supply									
6	Sewerage & Drainage				Nil					
7	Electrical Installation and									
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									
Total:										
17	Capital Work in Progress									
Grand Total										

Note: The additions during the Year include additions from:

Gifted ..
 Earmarked Funds ..
 Sponsored Projects ..
 Own Funds ..

Total

SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

Amount in Rupees

	Current Year 2021-22	Previous Year 2020-21
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		
7 Others (to be specified)		
Total		

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

Sl. No.	Funds	Amount in Rupees	
		Current Year (2021-22)	Previous Year (2020-21)
1			
2			
3			
4			
5	Endowment Fund Investments		
	Total		

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

SCHEDULE 6 - INVESTMENTS - OTHERS

Amount in Rupees		
	Current Year 2021-22	Previous Year 2020-21
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)		
TOTAL		

SCHEDULE 7 - CURRENT ASSETS

		Amount in Rupees	
		Current Year 2021-22	Previous Year 2020-21
1. Stock:			
a) Stores and Spares			
b) Loose Tools			
c) Publications			
d) Laboratory chemicals, consumables and glass ware			
e) Building Material			
f) Electrical Material		5,800.00	5,800.00
g) Stationery			
h) Water supply material			
i) Postage		11,919.00	12,273.00
2. Sundry Debtors:			
a) Debts Outstanding for a period exceeding six months			
b) Others :		31,500.00	4,525.50
3. Closing Cash and Bank Balances :			
a) With Scheduled Banks:			
In Current Accounts			
In term deposit Accounts			
In Savings Accounts			
In Cash Balance (Misc)		-	-
In Bank Balance		49,16,05,492.49	46,28,30,106.88
In Bank Balance - Statutory payment (CD A/c 3001)			
In Bank Balance Rajiv Gandhi National Fellowship			
In Bank Balance Athletic			
Fund Transfer			
AXIS Bank OTC Transfer		-	-
CANARA Bank OTC Transfer		-	-
b) With non-Scheduled Banks:			
- In term deposit Accounts			
- In Savings Accounts			
4. Post Office- Savings Accounts			
TOTAL		49,16,54,711.49	46,28,52,705.38

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	Closing balance as on 31.03.2022 (Rs.)
	MAIN ACCOUNT		
1	Indian Overseas Bank	041802000000001	55,529.44
2	Indian Overseas Bank	041801000000099	48,77,143.36
3	Canara Bank	2649201000193	56,087.41
4	Canara Bank	2649101010260	9,57,83,870.00
5	State Bank of India	0039917422888	2,77,14,656.23
6	IDBI FD - SDR Account		1,00,00,000.00
7	SBI FD -SDR Account		5,54,23,119.00
8	IOB FD - SDR Account		5,00,00,000.00
9	Canara Bank FD-SDR		2,00,00,000.00
10	Bank of India - SDR		1,99,00,000.00
			28,38,10,405.44
	NON-GRANT ACCOUNTS		
11	Indian Overseas Bank	041801000000101	39,106.55
12	Indian Overseas Bank - SDR		1,50,00,000.00
13	Canara Bank	2649101010094	3,19,121.00
14	Canara Bank - SDR		1,95,00,000.00
15	SBI SB	0040626852130	2,27,40,499.50
16	FD Corpus Fund (IOB)		15,00,00,000.00
17	Canara Bank	2649101010177	1,96,360.00
			20,77,95,087.05
Grand Total			49,16,05,492.49

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

Amount in Rupees		
	Current Year 2021-22	Previous Year 2020-21
1. Advances to employees: (Non-interest bearing)		
a) Salary		
b) Festival	-	2,64,000.00
c) Medical Advance	-	-
d) Other (to be specified)	-	-
Computer Advance	-	11,400.00
Conveyance Advance	-	-
Flood Loan Advance	-	-
Persons with Disabilities	-	-
Loan to PF a/c	-	-
LTC Advance	-	-
Other Employee Loans & Advances	-	-
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan		
b) Home loan : House building advance	1,20,750.00	1,70,065.00
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) On Capital Account		
b) Permanent advance	-	-
c) Temporary Advance - Main Account, OTC, Project and Swayam	-	-
d) Entrepreneurship prog	-	-
e) Others :	-	-
f) UNESCO Project	-	-
4. Prepaid Expenses		
a) Insurance	99,985.00	
b) E Journal Subscription		

c) AMC Lab and Office Equipment	1,32,750.00	
5. Deposits		
a) Telephone	90,629.00	90,629.00
b) Lease Rent		
c) Electricity	2,80,331.00	4,46,193.00
d) AICTE, if applicable		
e) Others (to be specified)		
Community Hall Deposit	-	-
Security Deposit with Industry	275.00	275.00
Security Deposit with MES	4,11,969.00	4,11,969.00
EC Security Deposit	2,551.00	2,551.00
ECH Deposit	1,000.00	1,000.00
Deposit with SE PWD	152.00	152.00
Deposit Vehicle Maintenance	5,000.00	5,000.00
Deposit with CPWD		1,09,98,000.00
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	-	-
Deposit - Stationery	5,000.00	5,000.00
Deposit - ECV	2,500.00	2,500.00
MLNN Deposit	10,000.00	10,000.00
6. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds		
b) On Investments-Others	32,73,947.74	
c) On Loans and Advances		
d) Others (includes income due unrealized)		
Interest Accrued		

7. Other - Current assets receivable from UGC/sponsored projects			
a) Debit balances in Sponsored Projects :SWAYAM Project Expenses Recoverable	-		-
b) Debit balances in Sponsored Fellowships & Scholarships			
ICT			
National Ws on KOHA	-		-
Board of Apprentices Training	-		-
GSLIS	-		-
c) Grants Receivable	-		-
d) Other :	-		-
E) Income receivable	1,51,300.00		84,676.00
F) TNHD	-		-
G) Refund due from IT towards TDS	49,501.00		6,21,457.00
8. Claims Receivable			
TDS - OTC			11,85,157.00
OTC DUE FROM THE MINISTRY FOR THE COMPLETED COURSE	24,00,000.00		
TOTAL	70,63,440.74		1,43,35,824.00

Note:

1. If revolving funds have been created for House Building, Computer and Vehicle advances to employees, the advances will appear as part of Earmarked/endowment Funds. The balance against these Interest-bearing advances will not appear in this schedule.

SCHEDULE 9 - ACADEMIC RECEIPTS

		Amount in Rupees	
		Current Year 2021-22	Previous Year 2020- 21
FEES FROM STUDENTS			
Academic			
1. Tuition fee Ph D		2,00,000.00	60,000.00
Tuition fee M.E./M.Tech		(44,583.00)	1,54,500.00
Staff Development Programmes		-	-
2. Admission fee Ph D		2,000.00	
Admission fee M.E./M.Tech		2,70,000.00	3,00,000.00
3. Enrolment fee/Course Fees			
4. Library Admission fee			
5. Laboratory fee			
6. Art& Craft fee			
7. Registration fee			
8. Syllabus fee			
Total (A)		4,27,417.00	5,14,500.00
Examinations			
1. Admission test fee			
2. Annual Examination fee			
3. Mark sheet, certificate fee			
4. Entrance examination fee			
Total (B)		-	-

Other Fees			
1. Identity card fee			
2. Fine/ Miscellaneous fees		-	-
3. Medical fee			
4. Transportation fee			
5. Hostel fee			
Total (C)		-	-
Sale of Publications			
1. Sale of Admission/Application forms		87,500.00	3,900.00
2. Sale of syllabus and Question Paper, etc.			
3. Sale of prospectus including admission forms			
Total (D)		87,500.00	3,900.00
Other Academic Receipts			
1. Registration fee for workshops, programmes			
2. Registration fees (Academic Staff College)			
3. IDDS Revenue Receipts		-	-
Total (E)		-	-
GRAND TOTAL (A+B+C+D+E)		5,14,917.00	5,18,400.00

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)

Particulars	Amount in Rupees									
	PLAN GOI			Total Plan	NON PLAN GOI			Total Non Plan	Current Year Total 2021-22	Previous Year Total 2020-21
	UG C	Plan Capital	Plan General		UG C	Non Plan Salary	Non Plan General			
Balance B/F		(4,81,84,996.00)	28,86,82,400.53	24,04,97,404.53		(9,22,24,529.00)	2,29,575.00	(9,19,94,954.00)	14,85,02,450.53	9,45,83,971.35
Add: Receipts during the year		2,00,00,000.00	12,50,00,000.00	14,50,00,000.00		11,00,00,000.00	-	11,00,00,000.00	25,50,00,000.00	30,55,00,000.00
Total		(2,81,84,996.00)	41,36,82,400.53	38,54,97,404.53		1,77,75,471.00	2,29,575.00	1,80,05,046.00	40,35,02,450.53	40,00,83,971.35
Less: Refund to UGC										
Balance		(2,81,84,996.00)	41,36,82,400.53	38,54,97,404.53		1,77,75,471.00	2,29,575.00	1,80,05,046.00	40,35,02,450.53	40,00,83,971.35
Less: Utilised for Capital expenditure (A)		(5,41,95,843.22)		(5,41,95,843.22)				-	(5,41,95,843.22)	3,67,10,152.00
Balance		2,60,10,847.22	41,36,82,400.53	43,96,93,247.75		1,77,75,471.00	2,29,575.00	1,80,05,046.00	45,76,98,293.75	36,33,73,819.35
Less: utilized for Revenue Expenditure (B)			37,08,41,615.30	37,08,41,615.30		(5,82,36,227.63)		(5,82,36,227.63)	31,26,05,387.67	21,48,71,368.82
Balance C/F (C)		2,60,10,847.22	4,28,40,785.23	6,88,51,632.45		7,60,11,698.63	2,29,575.00	7,62,41,273.63	14,50,92,906.08	14,85,02,450.53

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 2021-22	Previous Year 2020-21	Current Year 2021-22
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	-		7,83,557.00
			23,21,739.00
Total			7,83,557.00
Transferred to Earmarked/Endowment Funds			23,21,739.00
Balance	Nil	Nil	

Note: Interest accrued for Rs. 29,13,509.74 for the FY 2021 to 2022 has to been taken to Reserves and Surplus based on the approval received from Board of Governor

SCHEDULE 12:- INTEREST EARNED

Amount in Rupees		
Particulars	Current Year 2021-22	Previous Year 2020-21
1. On Savings Accounts with scheduled banks	27,74,638.93	72,52,478.95
2 On Loans		
a. Employees/Staff	-	-
b. Others : i) Interest on Conveyance Advance	4,700.00	70,200.00
ii) Interest on Computer Advance	28,960.00	50,800.00
3. On Debtors and Other Receivables		
Total	28,08,298.93	73,73,478.95

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			
		Current Year 2021-22	Previous Year 2020-21
A. Income from Land & Buildings			
1.	Hostel Room Rent		1,04,480.00
2.	License fee	1,99,745.00	2,42,775.00
3.	Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4.	Electricity charges recovered	260.00	
5.	Water charges recovered	6,119.00	
6.	Tender Fees	-	-
7.	Staff Quarters Rent	8,33,468.00	8,85,267.00
8.	Guest House Room Rent	8,96,790.00	7,800.00
9.	Rent for Institute Premises	-	-
10.	Community Hall Rent	5,000.00	-
Total - A		19,41,382.00	12,40,322.00
B. Sale of institute's publications			
1.	Sale of Books and CD's		
Total - B		-	-
C. Income from holding events			
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		
	Less: Direct expenditure incurred on the tours		
4.	Others : Remn to instiuite Faculty staff		
	Institute Overhead Project & Trg Programmes	-	-
	Faculty Development Prog		
	IDDS	-	-
	Misc Revenue Receipts	2,70,554.27	16,55,427.22
Total - C		2,70,554.27	16,55,427.22

D. Others		Current Year 2021-22	Previous Year 2020-21
1.	Income from consultancy		
2.	RTI fees	50.00	50.00
3.	Income from Royalty		
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	11,90,030.00	3,42,082.00
	a) Owned assets		
	b) Assets received free of cost	2,52,507.75	46,439.00
7.	Grants/Donations from Institutions, Welfare Bodies and International		
8.	Others (specify)		
	Testing Services	27,300.00	
	Interest Receipts		78,908.00
	Training Coordination Fees	2,350.00	
	Usage of Staff Car	700.00	
	Rental Income		
	6th PCP Pay Recovery Salary	2,68,391.00	3,50,000.00
	Total - D	17,41,328.75	8,17,479.00
	Grand Total (A+B+C+D)	39,53,265.02	37,13,228.22

SCHEDULE 14 - PRIOR PERIOD INCOME

Particulars	Amount in Rupees	
	Current Year 2021-22	Previous Year 2020-21
1. Academic Receipts		20,000.00
2. Income from Investments		
3. Interest earned (EB Meter Caution Deposit)		
Staff Quarters Rent	20,040.00	1,09,128.00
Guest House Room Rent		1,76,71,789.00
Hostel Room Rent		50,89,886.78
4. Other Income	(8,57,30,847.45)	3,53,634.54
Total	(8,57,10,807.45)	2,32,44,438.32

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

These shall be classified separately for teaching and non-teaching staff adhoc staff, Arrears of DA, Salary Arrears due to increment shall be shown separately

	Amount in Rupees					
	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Salaries and Wages	-	9,83,71,616.00	9,83,71,616.00		9,31,81,825.00	9,31,81,825.00
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		1,43,855.00	1,43,855.00		12,88,458.00	12,88,458.00
h) Medical facility/Reimbursement		10,08,431.00	10,08,431.00		17,92,038.00	17,92,038.00
i) Children Education Allowance		8,10,000.00	8,10,000.00		7,81,440.00	7,81,440.00
j) Others			-			-
1) Others: Professional Development Allowance		5,11,611.00	5,11,611.00		14,62,154.00	14,62,154.00
2) Uniform Allowance		65,000.00	65,000.00		75,000.00	75,000.00
3) Transport Allowance Recovery		-	-		-	-
TOTAL		10,09,10,513.00	10,09,10,513.00		9,85,80,915.00	9,85,80,915.00

SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFITS

Amount in Rupees				
	Opening Balance as on 01.04.2021	Pension	Gratuity	Leave Encashment
	Addition: Capitalized value of Contributions Received from other Organizations			
	Total (a)			
	Less: Actual Payment during the Year (b)	1,15,73,07,016.00	5,26,08,781.00	6,64,27,037.00
	Balance Available on 31.03 c (a-b)			-
	Provision required on 31.03 as per Actuarial Valuation (d)			-
	A. Provision to be made in the Current year (d - c)			-
	B. Contribution to New Pension Scheme	33,52,733.00		33,52,733.00
	C. Medical Reimbursement to Retired Employees			-
	D. Travel to Hometown on Retirement			-
	E. Deposit Linked Insurance Payment	41,227.00		41,227.00
	F. Commutation of Pension	11,52,405.00		11,52,405.00
	G. Leave salary and pension contribution	5,42,374.00		5,42,374.00
	Total (A+B+C+D+E)	1,16,23,95,755.00	5,26,08,781.00	6,64,27,037.00
				1,28,14,31,573.00

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 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory expenses						
b) Field work/Participation in Conferences						
c) Expenses on Seminars/Workshops						
d) Payment to visiting faculty		13,68,180.00	13,68,180.00			
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)		1,26,842.00	1,26,842.00		5,13,874.00	5,13,874.00
TOTAL	-	14,95,022.00	14,95,022.00		5,13,874.00	5,13,874.00
NOTE : AFFILIATION EXPENSES : Rs. 50,000/- PLUS ADVERTISEMENT EXPENSES- 76842.00			NOTE : AFFILIATION EXPENSES : Rs. 5,10,000/- Expr on ME Programme : Rs.3874/-			

SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure			-			-
a) Electricity and power		30,67,947.22	30,67,947.22		23,31,900.00	23,31,900.00
b) Water charges		7,54,083.00	7,54,083.00		6,04,167.00	6,04,167.00
c) Insurance		22,818.00	22,818.00		58,939.00	58,939.00
d) Rent, Rates and Taxes (including property tax)			-			-
Property Tax			-			-
Service Tax			-			-
Water Tax		33,292.00	33,292.00			-
B Communication			-			-
e) Postage		40,428.29	40,428.29		50,131.19	50,131.19
f) Telephone, Fax and Internet Charges		2,29,197.00	2,29,197.00		2,75,630.39	2,75,630.39
C Others			-			-
g) Printing and Stationery (consumption)			-			-
h) Travelling and Conveyance Expenses			-			-
i) Hospitality			-			-
j) Auditors Remuneration		-	-		-	-
k) Professional Charges : Legal Charges		7,23,500.00	7,23,500.00		3,92,600.00	3,92,600.00
l) Advertisement and Publicity		2,33,593.00	2,33,593.00		4,74,107.00	4,74,107.00
m) Magazines & Journals			-			-
n) Others : Repairs		1,95,086.00	1,95,086.00		1,20,855.00	1,20,855.00
o) Fellowship to Research Scholars		3,00,000.00	3,00,000.00		5,75,000.00	5,75,000.00
Contingencies		1,49,14,689.71	1,49,14,689.71		97,76,959.70	97,76,959.70
Security Charges		96,23,788.00	96,23,788.00		1,03,06,311.20	1,03,06,311.20
Bank Charges		1,145.70	1,145.70		4,321.04	4,321.04
Celebrations		10,74,606.00	10,74,606.00			
Internet Charges		2,427.00	2,427.00			
Visit of Parliament Committee		89,551.27	89,551.27			
Travelling & Conveyance		5,07,928.00	5,07,928.00			
Misc Expenditure :			-			-
Golden Jubilee Celebration		-	-		-	-
TOTAL		3,18,14,080.19	3,18,14,080.19		2,49,70,921.52	2,49,70,921.52

SCHEDULE 18- TRANSPORTATION EXPENSES

Particulars	Amount in Rupees				
	Current Year 2021-22			Previous Year 2020-21	
	Plan	Non Plan	Total	Plan	Total
1 Vehicles (owned by institution)			-		-
a) Running expenses		2,21,736.30	2,21,736.30		-
b) Repairs & maintenance		3,16,925.00	3,16,925.00	2,98,940.00	2,98,940.00
c) Insurance expenses		19,034.00	19,034.00		-
2 Vehicles taken on rent/lease			-		-
a) Rent/lease expenses			-		-
3 Vehicle (Taxi) hiring expenses		1,89,618.00	1,89,618.00	2,42,605.00	2,42,605.00
Total		7,47,313.30	7,47,313.30	5,41,545.00	5,41,545.00

SCHEDULE 19 - REPAIRS & MAINTENANCE

Particulars	Current Year 2021-22			Amount in Rupees		
	Plan	Non Plan	Total	Plan	Previous Year 2020-21	
					Non Plan	Total
a) Buildings			-			-
b) Furniture & Fixtures			-			-
c) Plant & Machinery			-			-
d) Office Equipment : A C			-			-
e) Computers		1,30,384.00	1,30,384.00			-
f) Laboratory & Scientific equipment			-			-
g) Audio Visual equipment			-			-
h) Cleaning Material & Services		2,77,593.00	2,77,593.00			-
i) Book binding charges			-			-
j) Gardening			-			-
k) Estate Maintenance : Trainees Guest House			-			-
l) Others : Guest House Expenditure		1,35,462.00	1,35,462.00		30,000.00	30,000.00
m) Electrical Maintenance		17,93,108.10	17,93,108.10		15,37,370.00	15,37,370.00
n) Trainees Guest House		1,86,445.00	1,86,445.00		46,478.00	46,478.00
TOTAL		25,22,992.10	25,22,992.10		16,13,848.00	16,13,848.00

SCHEDULE 20 - FINANCE COSTS

Particulars	Amount in Rupees					
	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Bank charges						
b) Others: Interest on Service Tax			-			-
Total					-	-

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

Particulars	Amount in Rupees					
	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	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

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Establishment expenses			-			-
2 Academic expenses						
3 Administrative expenses		12,797.00	12,797.00		60,756.00	60,756.00
4 Transportation expenses		23,748.00	23,748.00		24,632.00	24,632.00
5 Repairs & Maintenance			-			-
6. Depreciation		1,43,063.00	1,43,063.00			
7 Other expenses		66,950.78	66,950.78		2,98,306.00	2,98,306.00
Total	-	2,46,558.78	2,46,558.78	-	3,83,694.00	3,83,694.00

SCHEDULE 23: GENERAL EXPENSES

		Amount in Rupees	
	Particulars	CY 2021-22	CY 2020-21
	General Expenditure:		
	Staff Development Programme	18,34,323.00	27,79,834.00
	Stipend to Apprenticeship Trainees	1,54,933.00	2,04,581.00
	Stipend to Long Term Trainees		
	Building Maintenance (Plan)	11,15,238.60	21,85,417.00
	Development Expenses	6,78,264.00	32,58,565.00
	Development Expenses (Hindi Sahalkar)		
	GSI Mapping Tools		
	Membership Fees for Teaching Faculty		
	Furniture Maintenance		
	Periodicals	3,33,785.00	30,960.00
	Printing & Stationery	4,45,133.00	2,64,216.00
	Maintenance of Lab / Office Equipments	10,68,187.00	7,08,585.00
	Research Fellowship	-	-
	Community Polytechnics		
	Contingent Grant to Trainees		
	TA & DA National Conferences		
	Contingencies-Contractual Employment	-	-
	Remuneration to Guest Lecturers	6,88,750.00	4,46,000.00
	Fund transferred to NRC Project	-	-
	Development of Web Portal	-	1,35,187.00
	Review Committee Meeting		
	Consumables for Lab	3,218.00	800.00
	National Seminar		
	National Symposium		
	WIDDS		
	Course Fees Receivable		
	VNITTTR Edusat		
	Web Charges	-	-
	Sports Fit India Activities	24,963.00	9,949.00
	Inter Sports Meet	-	12,644.00
	Housekeeping Services	78,46,607.00	73,57,771.30
	TOTAL	1,41,93,401.60	1,73,94,509.30

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
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SCHEDULE - 24: 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:

Sl. No.	Name of the Asset	Depreciation rate
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%

- 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,
 - OH 31 - Pension to retirees, travelling expenses for training of technical teachers, purchase of stores and maintenance, etc.
 - 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, Leave Encashment, cost of stores and consumables, Cost of security, man power, house Keeping etc. Gratuity on actual Basis as outstanding Expenses on the Liability side of the Balance Sheet while accrued Income like interest etc. are shown in the Asset side.
- 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.
- 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, NITTT 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.

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SCHEDULE - 25: NOTES ON ACCOUNTS

1. In respect of
 - 1.1 Bank guarantees / LC given by / on behalf of the Institute - NIL
2. 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 income of this Institute including Fees / Charges received from the parties. 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”.
3. Corresponding figures for the previous year have been regrouped / rearranged whenever necessary.
4. Schedules 1 to 25 are annexed to and form as Integral part of the Balance Sheet as at 31.03.2022 and Income and Expenditure.
5. NPS amount with interest has been uploaded and remitted in NSDL account. There are 14 Staff members under NPS and everyone is having PRAN.
6. Financial statements of Main Account are prepared on accrual basis.
7. 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 will be no separate Balance Sheets for the above account from 2022-23 onwards.
8. The interest on deposits are accounted on accrual basis.
9. Fixed Assets schedule has been re drawn. Till now the Opening of Assets was the closing balance of previous years Depreciated Balance and Write down value Depreciation method was adopted. However, this has invited Audit comments. This year Fixed Schedule has been corrected by the showing the historical cost at the closing balance of Asset by adding the accumulated depreciation with the respective Fixed Assets and depreciation has been calculated on straight line method this year on wards prospectively. Based on the Audit para, the depreciation on Equipments have been charged at the rate of 8% instead of 5% from this year onwards. The depreciation charged in previous years have not be disturbed.

10.Reconciliation of CPWD Accounts has been done and tallied with the Utilization Certificate furnished by CPWD.

11.Following Reconciliations have been done finished :

- Grant Reconciliation
- Reserve and Surplus
- CPWD Deposits
- Fixed Assets

The Reconciliations have been approved by the Chairman BOG and will be ratified by the Finance Committee and BOG later. The approval will be shown to the Audit.

12. As per the remark of Audit, all the reconciliations done in last financial year have been approved by the Finance Committee and BOG.

UTILIZATION CERTIFICATE

UTILIZATION CERTIFICATE FOR THE YEAR 2021-22
in respect of recurring / non-recurring
GRANTS-IN-AID / SALARIES / CREATION OF CAPITAL ASSETS

1. Name of the Scheme _____
2. Whether recurring or non-recurring grants- Both Recurring and Non-recurring
3. Grants position at the beginning of the Financial year
 - (i) Cash in Hand / Bank - Rs.2532.24 lakh
 - (ii) Unadjusted Advances - NIL
 - (iii) Total - Rs.2532.24 lakh
(Grants receivable – NIL)
4. Details of grants received, expenditure incurred and closing balances:

[Rupees in lakh]

Unspent Balances of Grants received years [figures as at Sl. No. 3(iii)]	Interest Earned thereon	Interest deposited back to the Government	Grant received during the year			Total available funds (1+2-3+4)	Expenditure incurred	Closing Balances (5-6)
1	2	3	4			5	6	7
			Sanction No. (i)	Date (ii)	Amount (iii)			
2532.24	44.91	NIL	Enclosed in the Annexure			2550.00	5127.15	2440.05
								2687.10

Component wise utilization of grants:

[Rupees in lakh]

Grant-in-aid General (OH-31)	Grant-in-aid Creation of Capital Assets (OH-35)	Grant-in-aid Salaries (OH-36)	Total
1174.39	196.39 (CPWD Refund of Rs.157.74 lakh adjusted)	1069.27	2440.05

Details of grants position at the end of the year

- (i) Cash in Hand / Bank - Rs.2687.10 lakh
- (ii) Unadjusted Advances - NIL
- (iii) Total - Rs.2687.10 lakh
(Grants receivable – NIL)

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under..... (name of the scheme) has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure – I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Date: July 26, 2022
Place: Chennai-600113

[Prof. Dr. USHA NATESAN]
DIRECTOR

Details of Grant-in-aid received during the year 2021-22

[Rupees in Lakh]

GiA released	OH 31 General	OH 35 Capital Assets	OH 36 Salaries	Total
April 2021 to March 2022	1250.00	200.00	1100.00	2550.00

OH-31 (GENERAL)

Sanction No.	Sanction Date	Amount (Rs.)	OH	Sub Head	Received Date
F. No. 5-1/2021-TS.IV	15-06-2021	30000000.00	31	Gen	24-06-2021
F. No. 5-1/2021-TS.IV	22-09-2021	30000000.00	31	Gen	01-10-2021
F. No. 5-1/2021-TS.IV	14-12-2021	8000000.00	31	Gen	24-12-2021
F. No. 5-1/2021-TS.IV	14-12-2021	8000000.00	31	SC	24-12-2021
F. No. 5-1/2021-TS.IV	14-12-2021	4000000.00	31	ST	22-12-2021
F. No. 5-1/2021-TS.IV	02-02-2022	30000000.00	31	Gen	11-02-2022
F. No. 5-1/2021-TS.IV	08-03-2022	15000000.00	31	Gen	14-03-2022

125000000.00**OH-35 (CAPITAL ASSETS)**

Sanction No.	Sanction Date	Amount (Rs.)	OH	Sub Head	Received Date
F. No. 5-1/2021-TS.IV	15-06-2021	10000000.00	35	Gen	24-06-2021
F. No. 5-1/2021-TS.IV	22-09-2021	10000000.00	35	Gen	01-10-2021

20000000.00**OH-36 (SALARIES)**

Sanction No.	Sanction Date	Amount (Rs.)	OH	Sub Head	Received Date
F. No. 5-1/2021-TS.IV	15-06-2021	30000000.00	36	Gen	24-06-2021
F. No. 5-1/2021-TS.IV	22-09-2021	30000000.00	36	Gen	01-10-2021
F. No. 5-1/2021-TS.IV	14-12-2021	16600000.00	36	Gen	24-12-2021
F. No. 5-1/2021-TS.IV	14-12-2021	8900000.00	36	SC	24-12-2021
F. No. 5-1/2021-TS.IV	14-12-2021	4500000.00	36	ST	22-12-2021
F. No. 5-1/2021-TS.IV	02-02-2022	10000000.00	36	Gen	11-02-2022
F. No. 5-1/2021-TS.IV	08-03-2022	10000000.00	36	Gen	28-03-2022

110000000.00

**NATIONAL INSTITUTE OF
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RECEIPTS AND PAYMENTS ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2021-22

RECEIPTS		Current Year 2021-22	Previous Year 2020-21	PAYMENTS	Current Year 2021-22	Previous Year 2020-21
I. Opening Balances						
a) Cash Balances		-		I. Expenses		
b) Bank Balance				a) Establishment Expenses	17,30,13,960.00	12,69,50,409.00
i) In Current Amounts				b) Academic Expenses	50,000.00	5,13,874.00
ii) In Deposit Accounts				c) Administrative Expenses	2,99,15,553.92	54,94,780.04
iii) Savings Accounts		25,32,23,634.65	18,23,05,710.13	d) Transportation Expenses	4,58,767.30	1,21,654.00
				e) Repairs & Maintenance	24,02,083.10	12,47,685.09
				f) Prior period expenses	66,950.78	
II. Grants Received				II. Payments against Earmarked/Endowment Funds		
a) From Central Government						
for Revenue Expenditure		23,50,00,000.00	32,55,00,000.00			
for Capital Expenditure		2,00,00,000.00	2,00,00,000.00			
b) From State Government						
c) From other sources - Grants Receivable		-	-			
(Grants for capital & revenue exp/ to be shown separately, if available)						
III. Academic Receipts		4,84,967.00	10,38,450.00	III. Payments against Sponsored Projects/Schemes		
IV. Receipts against Earmarked/Endowment Funds/Corpus fund		19,02,16,651.11	-	IV. Payments against Sponsored Fellowships/Scholarships __ IDDS Payments		
V. Receipts against Sponsored Projects/ Schemes				V. Investments and Deposits made		
a) IDDS			-	a) Out of Earmarked/Endowments funds		
b) CPSC		-	-	b) Out of own funds (Investments - Others)		
c) AICTE UKIERI WORKSHIP						
d) NIWE PROGRAMME		-	-			
e) SWAYAM						
f) SP02 IM ID COURSE						
g) TNSCB PROG						
h) TRAINING PROG BHUTAN						
i) ITP on EIT and RB&I (Indonesia)		-	-			
j) DST NIMAT Training Programme		-	-			
k) LAHEI - Afghanistan		-	-			
l) Training of Trainers		-	-			
m) Workshop Embedded Systems		-	-			
n) Workshop on PLC & SCAD		-	-			
o) Workshop on WPRJP		-	-			

VI. Deposit on account of externally funded projects	1,33,94,878.00	-	VI. Term Deposits with Scheduled Banks		
VII. Income on Investments from			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
a) Earmarked/Endowment funds			a) Fixed Assets : Capital Expenditure		72,16,595.00
b) Other investments SDR Interest	4,23,119.00		VIII. General Expenditure	1,22,73,038.60	50,94,844.00
VIII. Interest received on			VIII. Other Payments including statutory payments	1,28,17,339.00	1,29,66,697.00
a) Bank Deposits	-	23,39,147.00	Outstanding Expenses, TDS & Service Tax etc.,		
b) Loans and Advances	2,12,39,661.73	3,19,85,416.72	IDDS Corpus fund Contribution		
c) Savings Bank Accounts	72,97,416.93	70,79,019.95			
IX. Sundry Debtors	4,525.50	3,000.00	IX. Refunds of Grants		
Sundry Creditors	23,985.00	-	X. Deposits and Advances		
X. Term Deposits with Scheduled Banks encashed			Deposits with CPWD		9,91,21,431.00
Fund Transferred from other Banks			Deposits Refund		-
			Deposit Others	3,05,92,074.00	
			Other Advances	37,01,949.00	61,92,071.00
XI. Other income (including Prior Period Income)			XI. Other Payments/Liabilities		
i) Duties and Taxes TDS, Service Tax etc	5,75,305.00	34,667.00	i) Sundry Creditors		3,78,71,925.00
ii) sale of Books and CDs	14,07,919.00	1,66,118.00	ii) Duties and Taxes		3,35,27,491.00
XII. Deposits and Advances			iii) Others: OTC Payments		82,14,248.00
i) Other ; Refund			iv) Others: Corpus Fund		1,04,000.00
ii) Other Deposits	90,000.00	23,95,750.00	XII. Closing balances		
iii) Other Receipts:		-	a) Cash in hand	-	-
OTC	93,05,571.00	-	b) Bank balances		-
GPF Special Deposit Interest	-		In Current Accounts		
Guest House Room Rent Etc. Incl. Prior Period Income	18,67,009.00	2,38,76,450.78	In Savings Accounts	49,16,05,492.49	25,32,23,634.65
Royalty		66,413.54	In Deposit Accounts		
			Inoperative SB Accounts(* 2)		
XIII. Misc Receipts including Statutory Receipts					
XIV. Any Other Receipts	23,42,565.27	10,11,195.57			
TOTAL	75,68,97,208.19	59,78,61,338.69	TOTAL	75,68,97,208.19	59,78,61,338.69

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GPF ACCOUNT

National Institute of Technical Teachers Training and Research
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PROVIDENT FUND ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2021

Liabilities	Amount in Rupees		
	2021-22	2020-21	Assets
GPF			
Opening Balance	3,60,92,001.00	3,49,63,501.76	
Add: Subscriptions in the year	1,10,82,524.00	(59,74,900.76)	GPF
Add: Interest Credited	25,82,246.00	1,29,69,304.00	
Less: Advance/withdrawal/Part Final	4,97,56,771.00	4,19,57,905.00	
Closing Balance <u>GPF</u>	1,00,22,713.00	58,65,904.00	
Unclaimed Balance	3,97,34,058.00	3,60,92,001.00	Temporary Advance
Employers Contribution	-	-	
Opening Balance	-	-	
Add: Subscriptions in the year	-	-	
Add: Interest Credited	-	-	
Less: Advance/withdrawal/Part Final	-	-	
NPS Contra	-	-	Cash at Bank : IOB
Closing Balance	-	-	Fixed Deposit Iob
			Fixed Deposit
			Special Deposit IOB
			Special Deposit SBI
			Accrued Interest
<u>Interest Reserve</u>			
Opening Balance	93,76,799.71	64,73,801.00	
Add: Opening Balance Adjustments		30,54,589.91	
Less: Excess of expenditure over Income	(2,10,240.20)	(1,51,591.20)	
Closing Balance			
Total	4,89,00,617.51	4,54,68,800.71	Total
			4,89,00,617.51
			4,54,68,800.71

National Institute of Technical Teachers Training and Research
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PROVIDENT FUND ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2022

Expenditure	2021-22	2020-21	Income	Amount in Rupees	
				2021-22	2020-21
Interest Credited to:			Interest earned on Investment		
			SDR Interest	4,81,049.00	96,296.00
			Interest on FD	16,40,030.00	52,911.00
			SB Interest	2,51,269.00	17,71,165.00
			Add: Interest accrued for current year		
			Add: Tax recovered on interest - Refund to be obtained		
			Add: Interest on Special Deposits		
			Less Interest accrued for previous year		2,04,715.00
			Excess of Expenditure over Income		-
Total	23,72,348.00	21,25,087.00	Total	23,72,348.00	21,25,087.00

National Institute of Technical Teachers Training and Research
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PROVIDENT FUND ACCOUNT
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2021-22

Receipts	2021-22	2020-21	Payments	2021-22	2020-21
Opening Balance IOB	98,94,468.71	5,00,914.91	GPFAAdv./Withdrawal/Part Final	89,53,900.00	47,73,240.00
FIXED DEPOSIT:	3,54,25,125.00	3,75,77,125.00	GPFA Final Settlement	10,68,813.00	-
IOB SPECIAL DEPOSIT			Bank charges	342.20	47.20
SBI SPECIAL DEPOSIT			P/F Advance		10,92,664.00
IOB FIXED DEPOSIT					
IOB PF					
SBI, Branch- 1					
SBI, Branch - II					
DLI	41,227.00		DLI	41,227.00	
Interest Receivable	1,49,207.00				
GPFA Subscription	1,10,82,524.00	1,06,92,673.00	Investment during the year		
CPF Subscription			Closing Balance:-		
CPF University Contribution			FD	4,54,25,125.00	3,54,25,125.00
FFD Sweep			IOB	31,33,742.51	98,94,468.71
NPSTier-II Account					
PF FD INTEREST	15,43,352.00				
SPECIAL DEPOSIT INTEREST	2,35,977.00	2,04,715.00			
SB NORMAL INTEREST	2,51,269.00	22,10,117.00			
Total	5,86,23,149.71	5,11,85,544.91	Total	5,86,23,149.71	5,11,85,544.91

**NATIONAL INSTITUTE OF
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NPS ACCOUNT

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

NPS TIER-I ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2022

Liabilities		2021-22	2020-21	Assets	2021-22	2020-21
NPS Tier-I Account				NPS Tier - I Account		
Opening Balance		-	28,88,936.68	Subscription and Contribution due for March		
Less: NSDL Remit			56,35,933.00			
Add: Subscription		-	(27,46,996.32)			
Add: Contribution			17,89,437.00			
			26,79,778.00			
Less: Adjustments		-	17,22,218.68	GPF Contra	-	-
		4,368.30	17,68,907.28	Balance at Bank	-	-
		(4,368.30)	(46,688.60)			
Add: Sub+UC for March				<u>Contribution Receivable</u>		
Excess of Income over Expenditure		4,368.30	46,688.60	VII CPC Arrears	-	-
Balance as on 01.04						
Add: During the year						
Total		-	-	Total	-	-

National Institute of Technical Teachers Training and Research
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NPS TIER-I ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2022

Expenditure	Amount in Rupees			
	2021-22	2020-21	Income	2020-21
Bank Charges	17.70	448.40	Normal Interest	47,137.00
Excess of Income over Expenditure	4,368.30	46,688.60	Contribution	-
Total	4,386.00	47,137.00	Total	47,137.00

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

NPS TIER- I ACCOUNT
RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2021-22

Receipts	Amount in Rupees				
	2021-22	2020-21	Payments	2021-22	2020-21
Opening Balance as on 1/04	-	14,19,215.68	Investment		
NPS Tier-I Account			Withdrawal / Refund to NSDL		56,35,933.00
Own Subscription			Bank Charges	17.70	448.4
University Contribution		17,89,437.00	Current Liabilities	4368.3	299186.28
Employees Subscription		26,79,778.00			
Employer Contribution					
Interest on Saving Bank A/C	4,386.00	47,137.00	Closing Balance	-	-
TOTAL	4,386.00	59,35,567.68	TOTAL	4,386.00	59,35,567.68

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

**OVERSEAS TRAINING COURSE
ACCOUNT**

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

Overseas Training Course (OTC)
Balance Sheet as at 31.03.2022

LIABILITIES	Current Year 2021-22	Previous Year 2020-21	ASSETS	Current Year 2021-22	Previous Year 2020-21
CAPITAL FUND:			DEPOSITS:		
Less Transfer to Corpus Fund	2,97,20,347.00	14,27,05,571.00	DUE FROM THE MINISTRY		
Less Capital Fund Adjustments	(50,00,000.00)	(12,54,80,015.00)	SDR	2400000.0	
Add: Excess of Income over Expenditure	-	(29,19,985.00)	LOANS & ADVANCES		
	26,83,865.00	1,54,14,776.00	Temporary Advances		
Less : Transferred to Main Accounts	2,74,04,212.00	2,97,20,347.00	TDS	-	-
Duties and Taxes			NITTTR Contribution	-	11,85,157.00
Sundry Creditors			Auto Sweepout FD		-
			Closing Balance		
			Fixed Deposit	1,95,00,000.00	-
			Canara Bank	3,19,121.00	2,79,67,148.00
			Axis Bank		5,68,042.00
			SBI	51,85,091.00	
			Less: Transferred to Main Accounts		
TOTAL	-	5,94,40,694.00	TOTAL	-	2,97,20,347.00

National Institute of Technical Teachers Training and Research
Taramani, Chennai - 600 113
Overseas Training Course (OTC)

Income & Expenditure Account for the year ended 31.03.2022

	EXPENDITURE	2021-22	2020-21	INCOME	2021-22	2020-21
	Books & Periodicals			OTC-Grants	24,00,000.00	71,55,350.00
	OTC Expenses	94003.00	1738145.00	Project Receipts		
				Interest Bank	3,77,934.00	18979511.00
	Sundry Creditors			Prior Period Income		122225.00
	LIVING allowance		0.00			
	Misc Expenditure					
	Guest House Expenses		9103488.00			
	Bank charges	66.00	677.00			
	Project Allowance					
	SDEM Batch					
	Book allowance					
	Travelling & Conveyance		0.00			
	Remuneration to Guest Faculties		0.00			
	Excess of Income over Expenditure	2683865.00	15414776.00			
	Total	2777934.00	26257086.00	Total	2777934.00	26257086.00

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

**Overseas Training Course (OTC)
Receipts & Payments Account for the Financial Year 2021-22**

	RECEIPTS	2021-22	2020-21	PAYMENTS	Amount in Rupees	
					2021-22	2020-21
	OPENING BALANCE:					
	AXIS BANK	5,68,042.00	3,09,77,426.00	Duties & Taxes		8,89,586.00
	CANARA BANK	2,79,67,148.00	1,12,04,591.00	Vehicle & Food Expenses		1,40,479.00
	FD Auto Sweepout		9,63,97,240.00	OTC Expenses	94,003.00	15,96,247.00
	Cash		-			-
	OTC Grant Receipts		68,56,724.00			-
	TDS DUE from INCOME TAX	11,85,157.00				-
	Capital Account	40,00,000.00				-
	SB Interest AXIS	17,528.00				-
	SB Interest Canara Bank	3,61,846.00	77,90,019.00	Guest House Expenses		91,03,488.00
	SDR Interest AXIS		10,90,616.00			-
	SDR Interest Canara Bank		10,24,299.00	Bank Charges	1,801.00	677.00
	Bank charges	295.00				-
	FFD		90,74,577.00			-
	Temporary Advance		13,30,190.00	Capital Fund	90,00,000.00	12,54,80,015.00
				CLOSING BALANCE		
				AXIS BANK	3,19,121.00	5,68,042.00
				CANARA BANK	1,95,00,000.00	2,79,67,148.00
				FD Auto Sweepout	51,85,091.00	-
				SBI		
	Total	34100016.00	165745682.00	Total	34100016.00	165745682.00

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

PROJECT ACCOUNT

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

PROJECT ACCOUNT
Balance Sheet as at 31.03.2022

LIABILITIES		2021-22	2020-21	ASSETS		2021-22	2020-21
Project Fund: Opening	27,92,568.12	-	(3,98,128.00)				
Add: Excess of Income over Expenditure	5,71,749.50		31,90,696.12				
Less: Transfer to Main Account	(33,64,317.62)		27,92,568.12				
PROJECT CLOSING BALANCES		0.00		Cash at Bank	1,65,77,004.62		
FY 2009-10			10,13,032.43	Less: Transfer to Main Accounts	-1,65,77,004.62	0.00	2,49,98,428.55
FY 2010-11			25,38,446.00				
FY 2011-12			12,38,206.00				
FY 2012-13			3,04,711.00				
FY 2013-14			3,95,006.00				
FY 2014-15			6,31,249.00				
FY 2017-18	(27,500.00)		1,30,907.00				
FY 2018-19	1,17,78,254.00		1,50,60,017.00				
FY 2019-20			3,49,998.00				
FY 2020-21	13,59,700.00		4,57,204.00				
Duties and Taxes	1,82,520.00		87,084.00				
NITTTR/20-22/88/L&T Edutech	(90,322.00)						
Sundry Creditors	10,035.00						
	1,32,12,687.00						
Less: Transfer to Main Accounts	(1,32,12,687.00)	-					
Total		-	2,49,98,428.55	Total		-	2,49,98,428.55

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

PROJECT ACCOUNT

Income & Expenditure Account for the year ended 31.03.2022

	EXPENDITURE	2021-22	2020-21	INCOME	Amount in Rupees	
					2021-22	2020-21
	Bank Charges Prior Period Expenses	126.50	18.88 6617.00	Project Balance Adjustments		2029416.57
				SDR Interest	566123.00	69393.43
				SB Interest	5753.00	1098522.00
	Excess of Income Over expenditure	571749.50	3190696.12	Staff Quarters Rent		
				Excess of Expenditure Over Income		
	Total	571876.00	3197332.00	Total	571876.00	3197332.00

PROJECT ACCOUNT
Receipts & Payments Account for the Financial Year 2021-22

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

CORPUS FUND ACCOUNT

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

CORPUS FUND ACCOUNT
Balance Sheet as at 31.03.2022

LIABILITIES		2021-22	2020-21	ASSETS	Amount in Rupees	
					2021-22	2020-21
CAPITAL FUND	Transferred from OTC Fund (net)	14,13,44,475.68	38,10,526.30	Laptop to Faculty Member		6,49,407.00
	Less:	50,00,000.00	12,54,80,015.00	Less: Transferred to main Account	(6,49,407.00)	6,49,407.00
	Add: Excess of Income over Expenditure	(5,57,433.06)	12,92,90,541.30			
	Less: Transfer to Main Account	48,62,364.38	1,20,53,934.38			
		(15,06,49,407.00)	14,13,44,475.68			
			1,20,53,934.38	FD IOB Corpus 30101	15,00,00,000.00	9,85,00,000.00
				Cash at Bank	0	4,21,95,068.68
				Less : transferred to Main Account	(15,00,00,000.00)	
Total		-	14,13,44,475.68	Total	-	14,13,44,475.68

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

CORPUS FUND ACCOUNT

Income & Expenditure Account for the year ended 31.03.2022

	EXPENDITURE	2021-22	2020-21	INCOME	2021-22	2020-21
	Depreciation		1,62,352.00	Corpus Fund		1,20,27,054.00
	Bank Charges	128.62	128.62	Corpus Fund 30%	11,95,062.00	2,161.00
	Laptop Service		49,765.00	IDDS Corpus fund 10%		-
	Corpus Fund	2800000.00		Normal Interest	64,67,431.00	2,36,965.00
	Excess of Income over expenditure	48,62,364.38	1,20,53,934.38			
	Total	76,62,493.00	1,22,66,180.00	Total	76,62,493.00	1,22,66,180.00

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

**CORPUS FUND ACCOUNT
Receipts & Payments Account for the Financial Year 2021-22**

	RECEIPTS	2021-22	2020-21	PAYMENTS	2021-22	2020-21
	OPENING BALANCE:					
	Cash at Bank	14,06,95,068.68	29,98,767.30	Capital Fund	5,57,433.06	49,765.00
	Transferred from OTC	50,00,000.00	12,54,80,015.00	Bank Charges	128.62	128.62
	Corpus Fund 30%	11,95,062.00	1,20,27,054.00	Corpus Fund	28,00,000.00	
	IDDs Corpus fund 10%		2,161.00			
	Normal Interest	64,67,431.00	-	CLOSING BALANCE:		
			2,36,965.00	Cash at Bank	15,00,00,000.00	14,06,95,068.68
				Fixed Deposit		
	Total	15,33,57,561.68	14,07,44,962.30	Total	15,33,57,561.68	14,07,44,962.30

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

SWAYAM ACCOUNT

**SWAYAM ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2022**

Liabilities		2021-22	2020-21	Assets		2021-22	2020-21	Amount in Rupees
Opening Balance	1,54,16,081.00		2,78,28,466.00	Equipments	4,13,042.00		4,13,042.00	
Add: Excess of Income over Expenditure-FY-21-22	(68,38,286.00)		(1,24,12,385.00)	Less: Transferred to Main Accounts	(4,13,042.00)		1,53,77,785.00	
Less: Transferred to Main Accounts	(85,77,795.00)	-		Balance at Bank	85,39,499.00			
Swayam Capacity Building Workshop - I	(2,17,482.00)			Less: Transferred to Main Accounts	(85,39,499.00)			
Less: Transferred to main accounts	2,17,482.00	0.00	(2,17,482.00)					
(Board & Lodging, General Expenses, Honorarium & TA)								
TA payable (NEFT Return)			-					
Swayam Capacity Building Workshop - II	5,92,228.00							
Less: Transferred to main accounts	(5,92,228.00)	0.00	5,92,228.00					
(Board & Lodging, General Expenses, Honorarium & TA)								
Total		-	1,57,90,827.00	Total		-	1,57,90,827.00	

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

SWAYAM ACCOUNT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2022

Expenditure	2021-22	2020-21	Income	2021-22	2020-21
Remuneration Paid	-	-	SB Interest	3,04,813.00	6,88,387.00
Bank Charges	304.00	31,935.00	Misc Receipts	343205.00	44,795.00
General Expenses		31,019.00	Excess of Expenditure over income	68,38,286.00	1,24,12,385.00
Depreciation		72,890.00			
Project Expenses-Swayam MOOC (Transferred to NITTTRs)	74,86,000.00	1,30,09,723.00			
Total	74,86,304.00	1,31,45,567.00	Total	74,86,304.00	1,31,45,567.00

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

SWAYAM ACCOUNT
RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2021-22

Receipts		2021-22	2020-21	Payments	2021-22	2020-21
Cash at Bank		1,53,77,785.00	2,78,83,724.00			
Capital Fund		80,00,000.00		Remuneration Paid		31,935.00
Misc. Revenue Receipts		3,43,205.00		Capital Fund	80,00,000.00	
Bank charges		590.00		General Expenses		31,019.00
Interest		3,04,813.00		Bank charges	894.00	
SB Interest						
Misc Receipts				TA Payable		34,667.00
				Misc Expenses		177.00
				Swayam MOOC Project (Transferred to Other NITTTRs)	74,86,000.00	1,31,41,500.00
				Cash at Bank	85,39,499.00	1,53,77,785.00
TOTAL		2,40,26,393.00	2,86,17,083.00	TOTAL	2,40,26,393.00	2,86,17,083.00

**NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH
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 31.03.2022

LIABILITIES	Amount in Rupees				
	2021-22	2020-21	ASSETS	2021-22	2020-21
Capital Fund	6,47,46,575.99	75,76,108.50	Bank Accounts	4,79,52,399.61	6,47,33,878.99
OUTSTANDING EXPENSES	77,06,920.00		Fixed Deposits	2,50,00,000.00	
Add: Excess of Income over Expenditure	-	5,71,70,467.49	Refund of TDS overdue		12,697.00
	8,52,223.62		Accrued Interest	3,53,320.00	
Total	7,33,05,719.61	6,47,46,575.99	Total	7,33,05,719.61	6,47,46,575.99

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

NITTT WEB PORTAL ACCOUNT

Income & Expenditure Account for the year ended 31.03.2022

	EXPENDITURE	2021-22	2020-21	INCOME	2021-22	2020-21
	Bank Charges	230.00	105.00	Course Fees	-	5,63,13,605.49
	General Expenses	31695718.00	5,900.00	Module/Registration	3,10,88,943.62	
	Remuneration	564000.00	1,25,000.00	FDR Interest	3,53,320.00	
	Contingencies	23617.00				
	Remuneration for Guest Lecturers	5000.00				
	Professional Charges	47,200.00				
	Travel Expenses	99910.00				
	Vehicle Hire Charges	19945.00				
	Equipment Hire Charges	47500.00				
	Excess of Income over expenditure	852223.62	5,71,70,467.49	Bank Interest	19,13,080.00	9,87,867.00
	Total	3,33,55,343.62	5,73,01,472.49	Total	3,33,55,343.62	5,73,01,472.49

NITT WEB PORTAL ACCOUNT
Receipts & Payments Account for the Financial Year 2021-22

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**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

NITTT SWAYAM ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2022

Liabilities	Amount in Rupees				
	2021-22	2020-21	Assets	2021-22	2020-21
Opening Balance	1,28,394.78				
Add: Excess of Income over Ex	3891.90	1,28,394.78	Balance at Bank	1,32,286.68	1,28,394.78
Total	1,32,286.68	1,28,394.78	Total	1,32,286.68	1,28,394.78

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

NITTT SWAYAM ACCOUNT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2022

Expenditure	2021-22	2020-21	Income	2021-22	2020-21
Professional Charges		59,000.00	Course Fees		1,86,000.00
Bank Charges	53.10	388.22	SB Interest	3945.00	1,783.00
Excess of Income over Expenditure	3,891.90	1,28,394.78			
Total	3,945.00	1,87,783.00	Total	3,945.00	1,87,783.00

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

NITTT SWAYAM ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2021-22

Receipts	Amount in Rupees				
	2021-22	2020-21	Payments	2021-22	2020-21
Cash in Hand			Professional Charges		59,000.00
Cash at Bank	1,28,394.78		Bank Charges	53.10	388.22
Course Fees		1,86,000.00			
SB Interest	3,945.00	1,783.00			
			Cash in Hand		
			Cash at Bank	132286.68	1,28,394.78
TOTAL	1,32,339.78	1,87,783.00	TOTAL	1,32,339.78	1,87,783.00



CONTACT

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