

**PROMOTING  
EXCELLENCE IN TECHNICAL EDUCATION**



# ANNUAL REPORT 2020 - 2021

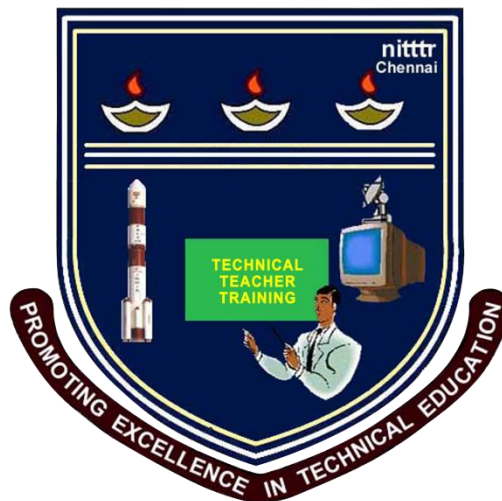
**NATIONAL INSTITUTE OF  
TECHNICAL TEACHERS TRAINING AND RESEARCH**

**An Autonomous Institute Under the  
Ministry of Education, Govt. of India**

# ANNUAL REPORT

**2020-2021**

**(ENGLISH VERSION)**



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

## FROM THE DIRECTOR

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*The National Institute of Technical Teachers Training and Research (NITTTR), Chennai is glad to present the collective efforts in the quest of excellence in technical education through various activities of the Institute in the form of Annual Report for the year 2020-2021. This report reflects the accomplishments made in the areas of technical teachers training (for Polytechnics/Engineering colleges), research, curriculum development, overseas training programmes and industry collaboration along with other similar activities by the dedications of our faculty members. This report also incorporates the Vision, Mission and Objectives of the Institute and its functions, co-ordination with State, Regional and National level bodies and activities undertaken by the Institute under various National Schemes.*

*We are always striving to take advantage of technological developments that can make our training programmes more effective and accessible to our teachers nationwide. We recognize that not all the faculty members have the same access to technology, so we are careful to integrate the latest technological developments into our training, without making our training inaccessible or unaffordable for anyone. The continuous upgradation of laboratory and instructional facilities assure the participants a rewarding learning experience and change in environment. The year, 2020-2021 represented another period of expansion and developmental activities of the institute. The following achievements were highlighted during this year:*

- Online mode of training of 6079 faculty members from 156 courses and direct contact mode of training of 882 faculty members from 25 courses;*
- Online mode of training of 102 teachers, policy makers and educational administrators from Eswatini and Maldives countries through 6 Overseas Training Courses;*
- Doctoral Degree awarded to one candidate;*
- Faculty members involved in developing/revision of curriculum of 699 courses; and*
- Development of 264 instructional resources (print type materials and videos)*
- A total of 25925 participants enriched their skills through 14 SWAYAM courses*

*Although we train many thousands of in-country and overseas participants, perhaps the most gratifying part of our work at NITTTR, Chennai is when we hear directly from participants their experience/feedback of knowledge gained and living environment in NITTTR, Chennai campus. They participate in discussions and suggest improvements in all aspects and based on which we set our commitment and broad vision in our future programmes.*

*The Institute has received guidance and direction from Prof. V.S.S. Kumar, Chairman, BoG, and other eminent members of the BoG, as well as the Secretary, Joint Secretary, Deputy Secretary and other officials from the Ministry of Education, Govt. of India. I see this opportunity to express our gratefulness towards them. I would also like to thank all those who inspired and encouraged us in our search for quality in technical education through moulding the technical teachers for effective teaching during this year. I hope and assure that the Institute will continue to attain higher levels of achievements in the years to come.*

**DIRECTOR**

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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

The NITTTR, Chennai envisions to be a leading institute in promoting excellence in Technical Education Systems by planning, designing, developing, implementing and evaluating quality training programmes, learning resources and research/consultancy projects for technical educational institutions, industry and community.

### Our Short Vision Statement:

**“Promoting Excellence in Technical Education”**

## 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.

The following are the elements of Mission towards which the institute is committed to work:

- \* To offer quality, flexible, relevant and cost-effective training programmes for technical teachers in various modes.



- \* To demonstrate leadership by organising dynamic and leading edge programmes to meet the changing needs of the industry and the community.
- \* To develop into an Institute of National Importance (INI) in order to provide effective and efficient services to the technical teachers.
- \* To help in solving problems in engineering education through research, development and extension activities.
- \* To establish and foster collaboration with the industry, state, national and international institutes, universities and other agencies committed to the development of technical education in the Country.

## **CORE VALUES**

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

- ◆ Quality Education and Training
- ◆ Teamwork
- ◆ Staff Development for Continuous Learning
- ◆ Openness and Transparency
- ◆ Clientele Focus
- ◆ Social Responsibility

## **2.0 OBJECTIVES**

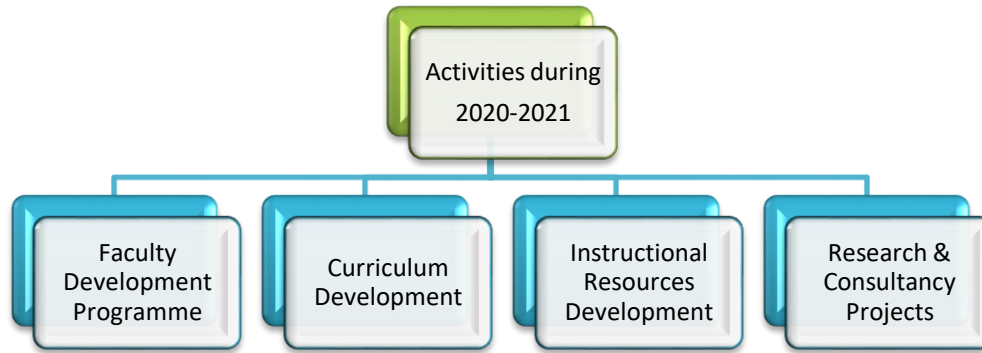
The objectives of the institute are:

- ✓ To act as a centre for offering quality training programmes for technical teachers as per needs of the cliental 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 2020-2021**

The institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During the year 2020-2021, the institute undertook programmes, projects and activities under four major areas namely: (i) Faculty Development Programme; (ii) Curriculum Development; (iii) Instructional Resources Development; and (iv) Research and Consultancy Projects.



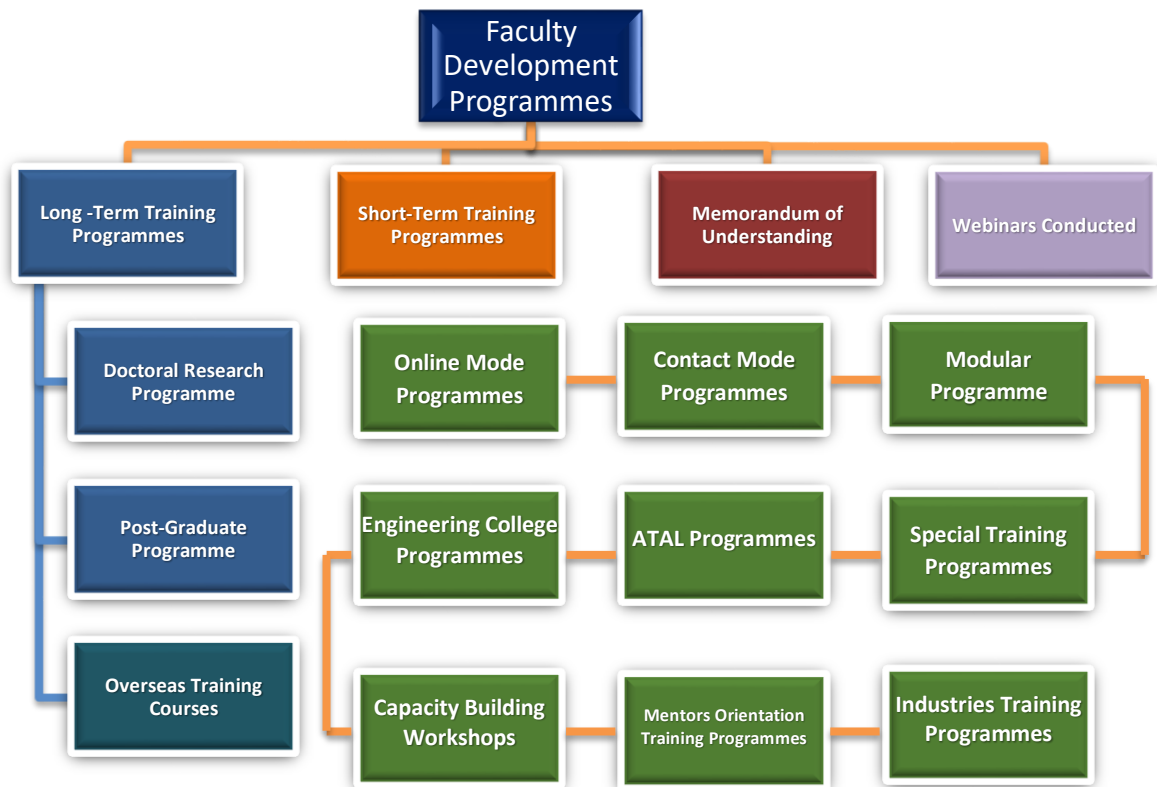
The institute focused on the following activities during the year 2020-2021:

1. Training of teachers of engineering colleges, polytechnics and personnel from industry 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 FACULTY DEVELOPMENT PROGRAMMES

Faculty 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 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 92 scholars have been awarded Ph.D. degree in Engineering Education under the University of Madras. As on date, 13 candidates are registered under University of Madras and 7 candidates are registered under Anna University. During this period, one scholar was awarded Ph.D. in Engineering Education by the University of Madras (Table 1).

**Table 1: Ph.D. Degree awarded to Research Scholars, 2020-2021**

S. No.	Name of the candidate & Full-Time/Part-Time	Title of the Thesis	Supervisor from NITTTR, Chennai	Date of Viva Voce
1.	Ms. Mahalakshmi Full-Time Scholar	Design and Development of Video-Based Courseware for LMS for Computer Science Students	Dr. E. S. M. Suresh, Professor & Head, Department of Civil and Environmental Engineering.	02.09.2020

#### 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 28 students are pursuing their M.E. in Infrastructure Engineering and Management.



Photo: 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



Photo: M.E in Electronics & Communication Engineering

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).

#### 4.1.3 Overseas Training Courses (OTC):

During the year 2020-2021, the institute conducted six training programmes through online for participants from Eswatini and Maldives 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 90 participants from Maldives attended five programmes (Table 2).



Around 12 participants from Eswatini attended the programme on Strengthening Technical and Vocational Education & Training (TVET) Systems to Meet the Sustainable Development Goals (SDGS) of United Nations.



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 39 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.

**Table 2: Overseas Training Courses, 2020 – 2021**

Sl. No.	Title of the Course	Duration	No. of Participant	Course Coordinator
1.	Quality Assurance of Online Teaching & Learning	16.11.2020 to 27.11.2020	17	Dr. G. Janardhanan
2.	Online Teaching and Collaborative Tools	07.12.2020 to 18.12.2020	17	Dr. G. Janardhanan
3.	Strengthening Technical and Vocational Education & Training (TVET) Systems to Meet the Sustainable Development Goals(SDGS) of United Nations	07.12.2020 to 18.12.2020	12	Dr. G. Kulanthaivel
4.	Learning Management System through Moodle	28.12.2020 to 08.01.2021	16	Dr. V. Shanmuganeethi
5.	Instructional Design for E-Learning Course	18.01.2021 to 30.01.2021	28	Dr. P. Malliga
6.	Online Assessment - Framework and Mode of Implementation	01.02.2021 to 12.02.2021	12	Dr. K.S.A. Dinesh Kumar

### Highlights

→ Sponsored by the Indian Technical and Economic Cooperation Scheme (e-ITEC) of the Ministry of External Affairs, Government of India.

- A total of 102 participants (teachers and administrators) from two countries
- 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.

### Photos: Overseas Training Courses, 2020 – 2021



Quality Assurance of Online Teaching & Learning

Strengthening Technical and Vocational Education & Training (TVET) Systems to Meet the Sustainable Development Goals(SDGS) of United Nations



Instructional Design for E-Learning Course



## 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. NITTTT 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, NITTTT Chennai started to offer online training programmes for the faculty members of technical institutions.

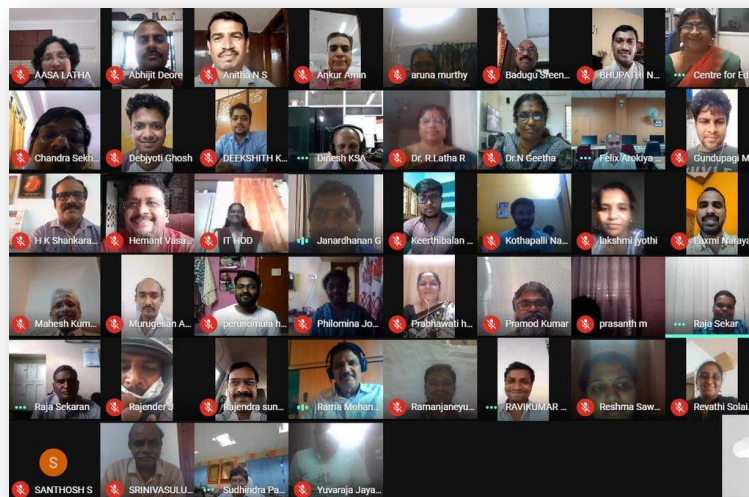


Photo: Faculty Development Programme through Online

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:

- ▶ Blended and flipped mode of teaching
- ▶ Competency based lab instruction
- ▶ Content updating in engineering and technology
- ▶ E-content development for online teaching
- ▶ Educational tools for teaching
- ▶ Induction programme
- ▶ NAAC accreditation process
- ▶ Outcome based education
- ▶ Pedagogy integrated content courses
- ▶ Personality development and NLP
- ▶ Rubrics and evaluation for e- content
- ▶ Success Tool Kit for Teachers

During the year under report had been impressive as 130 courses (Table- 3) were conducted involving a total of 3881 participants (Male: 2286, Female: 1595) from the various institutes of all over the country.

### State-wise distribution of faculty members:

A total of 3881 participants from 32 states and union territories attended this training programme. State-wise distribution of faculty members trained during 2020-21 is given in Fig. 1. It is observed that 91.06% of participants were trained from southern states and Union territory (Pondicherry) i.e. Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and Pondicherry and 8.94% were trained from other states of the country.

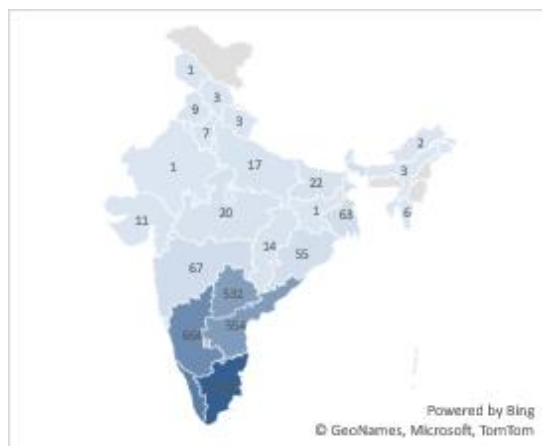


Fig 1: State-wise distribution of faculty members trained.

**Table 3: List of FDPOM Programmes 2020-2021**

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	Implementation of Outcome Based Education	June 15 - 19, 2020	One	63
2.	Implementation of OBE and online teaching	June 22 - 26, 2020	One	26
3.	Web Design	June 22 - 26, 2020	One	41
4.	Developing Instructional Material	June 29 - July 03, 2020	One	14
5.	Limit State Design of Steel Structures	July 06 - 10, 2020	One	15
6.	Energy & Environmental Management	July 06 - 10, 2020	One	29
7.	Implementation of Outcome Based Education	July 06 - 10, 2020	One	66
8.	Linux System Administration and Management	July 06 - 10, 2020	One	27
9.	Applications in PLC	July 13 - 17, 2020	One	44
10.	Advances in Manufacturing Techniques	July 13 - 17, 2020	One	31
11.	Animation and Presentation Techniques	July 13 - 17, 2020	One	17
12.	NBA Process for Diploma Programmes	July 14 - 16, 2020	One	19
13.	Free and Open-Source Software In Civil Engineering	July 20 - 24, 2020	One	34

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
14.	Cloud Computing	July 20 - 24, 2020	One	41
15.	MATLAB Programming for Engineering Applications	July 27 - 31, 2020	One	19
16.	Innovative Use of Educational Media and Technology	July 27 - 31, 2020	One	17
17.	Environmental Impact Assessment	July 27 - 31, 2020	One	111
18.	MATLAB, LabVIEW Programming and Engineering Applications	July 27- Aug. 07, 2020	Two	46
19.	Outcome Based Education and Accreditation	Aug. 03 - 05, 2020	Three days	29
20.	Design of Earthquake Resistant Structures	Aug. 03 - 07, 2020	One	36
21.	Virtual Instrumentation using LabVIEW Programming	Aug. 03 - 07, 2020	One	13
22.	Advances in Materials and Manufacturing	Aug. 03 - 07, 2020	One	43
23.	Implementation of OBE and Online teaching	Aug. 10 - 14, 2020	One	138
24.	Induction Programme (Phase-II)	Aug. 17 - 21, 2020	One	25
25.	Behavioral Assessment of Student Development	Aug. 17 - 21, 2020	One	57
26.	Question Paper Authoring & Student Evaluation	Aug. 17 - 21, 2020	One	36
27.	LaTeX and Desktop Publishing	Aug. 17 - 21, 2020	One	24
28.	Circuit Simulation and PCB Design using MULTISIM	Aug. 17 - 21, 2020	One	20
29.	Optical Fiber Communication	Aug. 17 - 21, 2020	One	19
30.	Circuit Simulation and PCB Design using MULTISIM and Digital Circuit Design using Verilog Programming	Aug. 17 - 21, 2020	One	44
31.	Nanotechnology and Applications	Aug. 17 - 21, 2020	One	22
32.	Teaching Methodology	Aug. 24 - 28, 2020	One	55
33.	Digital Circuit Design using Verilog Programming	Aug. 24 - 28, 2020	One	12
34.	Python Programming	Aug. 24 - 28, 2020	One	41

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
35.	Competency based Laboratory Instruction in Civil Engineering	Aug. 24 - 28, 2020	One	58
36.	Renewable Energy Sources	Aug. 24 - 28, 2020	One	33
37.	Implementation of Outcome Based Education	Aug. 24 - 28, 2020	One	34
38.	Repairs and Renovation of Structures	Aug. 31 - Sept. 04, 2020	One	38
39.	Free Software for Collaborative Learning	Aug. 31 - Sept. 04, 2020	One	22
40.	E-Content Development and Learning Management Systems	Aug. 31 – Sept. 04, 2020	One	34
41.	Internet of Things (IoT) and its Applications	Sept. 07 - 11, 2020	One	14
42.	Success Tool Kit for Teachers	Sept. 07 - 11, 2020	One	12
43.	Outcome Based Education and Accreditation	Sept. 07 - 11, 2020	One	91
44.	Trends in Manufacturing and Metrology	Sept. 07 - 18, 2020	Two	16
45.	Modern Construction Techniques and Management	Sept. 14 - 18, 2020	One	5
46.	R-Programming	Sept. 14 - 18, 2020	One	14
47.	Applications in Power Electronics Engineering	Sept. 14 - 18, 2020	One	10
48.	Creating Open Educational Resources	Sept. 14 - 18, 2020	One	15
49.	Implementation of OBE and Online Teaching	Sept. 14 - 18, 2020	One	15
50.	Science of Wellbeing Happiness	Sept. 21 - 25, 2020	One	12
51.	Thermal Power and Energy Engineering	Sept. 21 - 25, 2020	One	21
52.	Embedded Systems using 8051 and ARM LPC2148 Micro Controllers	Sept. 21 - Oct. 03, 2020	Two	8
53.	Outcome Based Education	Sept. 22 - 25, 2020	One	83
54.	Embedded Systems using ARM LPC2148 Micro Controller	Sept. 28 - Oct. 03, 2020	One	8
55.	Machine Learning	Oct. 05 - 09, 2020	One	14

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
56.	Trends in Mechatronics and Manufacturing	Oct. 05 - 09, 2020	One	15
57.	Electronic Product Design Concept	Oct. 05 - 09, 2020	One	43
58.	Circuit Simulation using VHDL Programming and Tinker CAD	Oct. 05 - 16, 2020	Two	8
59.	E-Learning Authoring Tools	Oct. 05 - 16, 2020	Two	19
60.	Induction Programme	Oct. 05 - 16, 2020	Two	35
61.	Advanced Pedagogy	Oct. 12 - 16, 2020	One	59
62.	Applications of GIS in Urban Infrastructure Planning and Smart City Development	Oct. 12 - 16, 2020	One	21
63.	Research Methodology	Oct. 12 - 16, 2020	One	58
64.	Arduino Programming using Tinker CAD	Oct. 12 - 16, 2020	One	20
65.	Nanotechnology & Applications	Oct. 12 - 16, 2020	One	22
66.	Rubrics and Evaluation for E- Content	Oct. 12 - 16, 2020	One	12
67.	Quality Assurance Through Accreditation	Oct. 12 - 16, 2020	One	19
68.	Biomedical Electronics & IoT in healthcare	Oct 19 - 23, 2020	One	43
69.	Instructional Design and Delivery System	Oct 19 - 23, 2020	One	36
70.	Solar and Wind Energy Applications	Oct 19 - 23, 2020	One	32
71.	Implementation of OBE and Online Teaching	Oct 19 - 23, 2020	One	55
72.	E-Content Development for Online Teaching	Oct. 19 - 23, 2021	One	68
73.	Induction Training Programme	Nov. 02 - 06, 2020	One	107
74.	Quality Assurance through National and International Accreditation	Nov. 02 - 06, 2020	One	14
75.	Electrical Systems for Wind and Solar	Nov. 02 - 06, 2020	One	33
76.	Implementation of OBE and Online teaching	Nov. 02 - 06, 2020	One	48

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
77.	Non-Traditional Machining	Nov. 02 - 06, 2020	One	44
78.	Wind, Solar and Wireless Communication	Nov. 02 - 13, 2020	Two	13
79.	Wireless Communication	Nov. 09 - 13, 2020	One	36
80.	Entrepreneurship Development Programme	Nov. 16 - 20, 2020	One	4
81.	Quality Assurance Through Accreditation	Nov. 16 - 20, 2020	One	22
82.	NAAC Accreditation Process	Nov. 23 – 27, 2020	One	42
83.	MATLAB Programming for Engineering Applications	Nov. 23 – 27, 2020	One	46
84.	Computer Aided Manufacturing & Metrology	Nov. 23 – 27, 2020	One	23
85.	Green and Sustainable Energy Development	Nov. 23 - 27, 2021	One	18
86.	Engineering Applications using MATLAB & LabVIEW	Nov. 23 - Dec. 04, 2020	Two	30
87.	Life Skills Development	Nov. 23 - Dec. 04, 2020	One	15
88.	Leadership & Teamwork for Performance Excellence	Nov. 23 - Dec. 04, 2020	One	8
89.	Competency based instruction in Lab course as per C-20 curriculum for Mechanical Engineering	Nov. 23 - Dec. 04, 2020	One	40
90.	Advances in Materials and Manufacturing	Nov. 23 - Dec. 04, 2020	Two	21
91.	LabVIEW Programming for Engineering Applications	Nov. 23 - Dec. 04, 2020	One	16
92.	Leadership for Academicians of Higher Educational Institutions	Dec. 07 - 11, 2020	One	14
93.	Neuro Linguistic Programming (NLP) for Personality Development	Dec. 07 - 11, 2020	One	12
94.	Internet and Multimedia Technologies	Dec. 07 - 11, 2020	One	8
95.	Outcome Based Assessment	Dec. 07 - 11, 2020	One	10
96.	8051 Microcontroller and its Applications	Dec. 07 - 11, 2020	One	13
97.	8051 Microcontroller and Industrial Automation	Dec. 07 - 18, 2020	Two	14

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
98.	Capacity Building for Effective Teaching	Dec. 14 - 18, 2020	One	13
99.	Web Designing	Dec. 14 - 18, 2020	One	24
100.	Industrial Automation	Dec. 14 - 18, 2020	One	17
101.	Refresher course on Energy, Thermal & Refrigeration & Air- conditioning	Dec. 14 - 18, 2020	One	26
102.	Implementation of OBE and Online teaching	Dec. 14 - 18, 2020	One	16
103.	Online Resources and Social Media Learning	Dec. 28 - Jan. 01, 2020	One	25
104.	Quality Assurance Through Accreditation	Dec. 28 - Jan. 01, 2020	One	24
105.	Advanced Pedagogy	Jan. 04 - 08, 2021	One	42
106.	Solar, Wind and Bio Energy Applications	Jan. 04 - 08, 2021	One	37
107.	Open Educational Resources and Library Management Techniques	Jan. 04 - 08, 2021	One	36
108.	NBA Accreditation	Jan. 04 - 08, 2021	One	73
109.	Question Paper Authoring & Student Evaluation	Jan. 18 - 22, 2021	One	14
110.	MATLAB Programming	Jan. 18 - 22, 2021	One	14
111.	4G & 5G Mobile Technologies	Jan. 18 - 22, 2021	One	9
112.	Arduino, Rasberry Pi and Combatibles	Jan. 25 - 30, 2021	One	46
113.	Python Programming	Jan. 25 - 30, 2021	One	15
114.	Non-Traditional Machining	Jan. 25 - 30, 2021	One	19
115.	Implementation of OBE and Online teaching	Feb. 01 - 05, 2021	One	14
116.	Multimedia Development	Feb. 01 - 12, 2021	Two	8
117.	Copyright and its Implication	Feb. 08 - 12, 2021	One	30
118.	Educational Tools for Teaching	Feb. 08 - 12, 2021	One	4

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
119.	LabVIEW Programming	Feb. 15 - 19, 2021	One	17
120.	PLC programming using Micro 820 Controllers	Feb. 15 - 19, 2021	One	11
121.	Life Skills	Feb. 22 - 26, 2021	One	28
122.	MATLAB & LabVIEW Programming	Feb. 22 - March 05, 2021	Two	15
123.	Blended and Flipped Mode of Teaching	March 01 - 05, 2021	One	51
124.	Implementation of OBE and online Teaching	March 08 - 12, 2021	One	16
125.	Thermal Power and Energy Engineering	March 08 - 12, 2021	One	34
126.	Competency Based Lab Instruction in EEE as per C-20 Curriculum of AP	March 15 - 19, 2021	One	36
127.	Competency Based Lab Instruction in ECE as per C-20 Curriculum of AP	March 15 - 19, 2021	One	33
128.	Outcome Based Assessment	March 15 - 19, 2021	One	23
129.	Advanced Java Programming	March 22 - 26, 2021	One	20
130.	Green and Sustainable Energy Development	March 22 - 26, 2021	One	44
			<b>Total</b>	<b>3881</b>

#### 4.2.2 Contact Mode Programmes: The

institute has expertise to conduct contact mode training programme from the inception. The institute had conducted 23 programmes (Table 4) for faculty members of polytechnic colleges. A total of 852 participants attended these training programmes. State-wise distribution of the participants is given in



Photo: Contact Mode Programme at ECB

Fig 2. It is observed that 47.42% participants trained from Karnataka state, 45.19% participants were trained from Andhra Pradesh and 7.39% participants were trained from Telangana State.



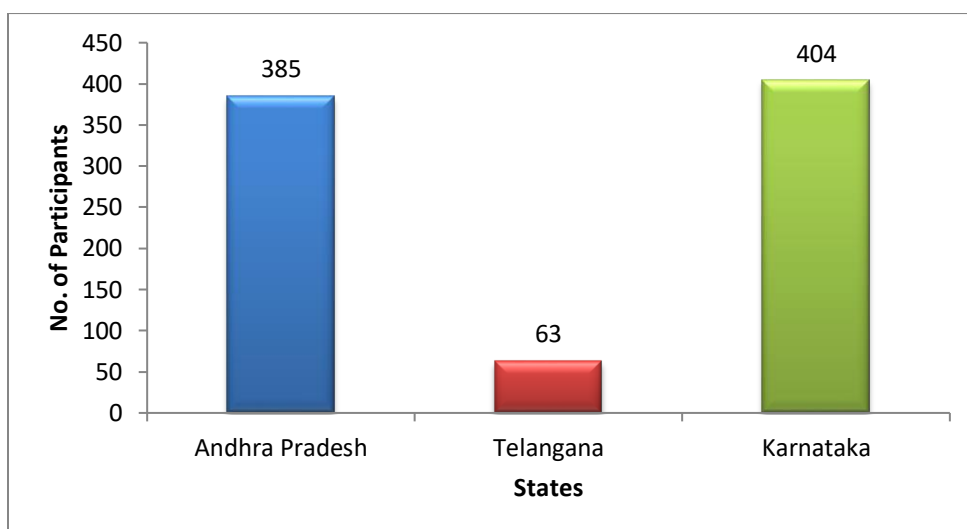


Fig 2. Number of Polytechnic faculty members trained through contact mode.

**Table 4: List of Contact Mode Programmes 2020-2021**

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	Orientation programme for NBA accreditation for CE & allied teachers of AP Polytechnics	Dec. 28 – Jan. 01, 2021	One	29
2.	Orientation programme for NBA accreditation for ME & allied teachers of AP Polytechnics	Jan 04 – 08, 2021	One	35
3.	Developing Professional Attributes Based on OBE–Batch-I	Jan 04 – 08, 2021	One	31
4.	Developing Professional Attributes Based on OBE–Batch-II	Jan 11 – 15, 2021	One	32
5.	Orientation programme for NBA accreditation for ECE & allied teachers of AP Polytechnics	Jan 18 – 22, 2021	One	29
6.	Developing Professional Attributes Based on OBE–Batch-III	Jan 18 – 22, 2021	One	30
7.	Developing Professional Attributes Based on OBE–Batch-IV	Jan 25 – 30, 2021	One	33
8.	Orientation programme for NBA accreditation for EEE, CME & allied teachers of AP Polytechnics	Feb. 01 – 05, 2021	One	30
9.	Statistics and Analytics –Batch-I	Feb. 01 – 05, 2021	One	38

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
10.	Awareness & Orientation programme for NBA accreditation for Principals & HoDs of AP Polytechnics	Feb. 07 – 08, 2021	Two days	63
11.	Statistics and Analytics –Batch-II	Feb. 08 – 12, 2021	One	36
12.	Awareness & Orientation programme for NBA accreditation for Principals & HoDs of AP Polytechnics	Feb. 11 – 12, 2021	Two days	48
13.	Developing Professional Attributes Based on OBE–Batch-V	Feb. 15 – 19, 2021	One	38
14.	Developing Professional Attributes Based on OBE–Batch-VI	Feb. 22 – 26, 2021	One	34
15.	Awareness & Orientation programme for NBA accreditation for Principals & HoDs of AP Polytechnics	Feb. 22 – 23, 2021	Two days	77
16.	Awareness & Orientation programme for NBA accreditation for Principals & HoDs of AP Polytechnics	Feb. 25 – 26, 2021	Two days	46
17.	Statistics and Analytics –Batch-III	March 01 – 05, 2021	One	33
18.	Curriculum Revision Workshop for C-21 (General Section & Electrical Cluster Group)	March 01 – 03, 2021	Three days	31
19.	Curriculum Revision Workshop for C-21 (Civil, Mechanical and other Branches)	March 04 – 06, 2021	Three days	32
20.	Project Management Skills-I	March 08 – 12, 2021	One	27
21.	Project Management Skills-II	March 15 – 19, 2021	One	37
22.	Project Management Skills-II	March 22 – 26, 2021	One	35
23.	Awareness & Orientation programme for NBA accreditation for general section & CME staff on NBA Accreditation	March 22 – 26, 2021	One	28
			<b>Total</b>	<b>852</b>

#### 4.2.3 Modular Mode Programme:

Due to academic commitment and various constraints, faculty members could not participate in 5 days programme continuously from morning to evening. The NITTTR, Chennai offered modular mode training programme on Implementation of OBE and NBA Accreditation Process from 15.02.2021 to 12.03.2021. The faculty members were invested one hour on alternative days i.e. Monday, Wednesday, and Friday. A Total of 18 participants were benefited through this programme.



Photo: Modular Programme

#### 4.2.4 Engineering College Programmes:

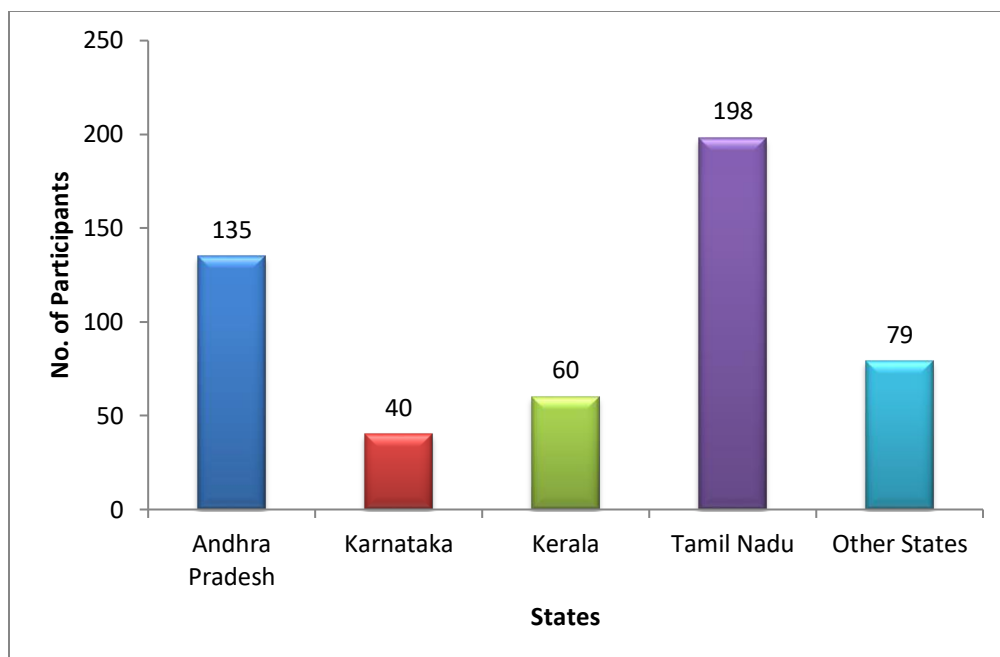


Photo: NIT, Trichy Programme

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers under sponsored category. Nine short-term courses covering **512** participants (**Male: 368, Female: 114**) covering States like Andhra Pradesh, Karnataka, Tamil Nadu, Kerala & other States were organized (Table 5). State-wise distribution of engineering college faculty trained during 2020-2021 is given in Fig 3. Thus, till date, **29,242** technical teachers of engineering colleges have been

trained through **714** courses. During this year the courses were conducted in the following areas:

- E-Content Development
- Effective Engineering Teaching Practices
- Effective Online Teaching Assessment and Evaluation
- Effective Teaching Learning Strategies in Technical Education
- Instructional Design and Delivery System
- Technology Enabled Teaching Learning



**Fig 3. Number of engineering college faculty members trained during 2020-2021**

**Table 5: List of Sponsored Engineering College Training Programmes, 2020-2021**

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	E-Content Development (Phase - I)	May 11 – 15, 2020	One	137
2.	Effective Teaching Learning Strategies in Technical Education	June 22 – 26, 2020	One	48
3.	Instructional Design and Delivery System	June 29 – July 04, 2020	Six days	45
4.	Technology Enabled Teaching Learning	July 06 – 10, 2020	One	60
5.	E-Content Development (Phase - II)	August 10 – 14, 2020	One	61
6.	Effective Online Teaching Assessment and Evaluation	August 17 – 22, 2020	Six days	40
7.	Instructional Design and Delivery System	November 09 – 13, 2020	One	42
8.	Effective Engineering Teaching Practices	November 23 – 28, 2020	Six days	42
9.	E-Content Development	March 22 – 26, 2021	One	37
			<b>Total</b>	<b>512</b>

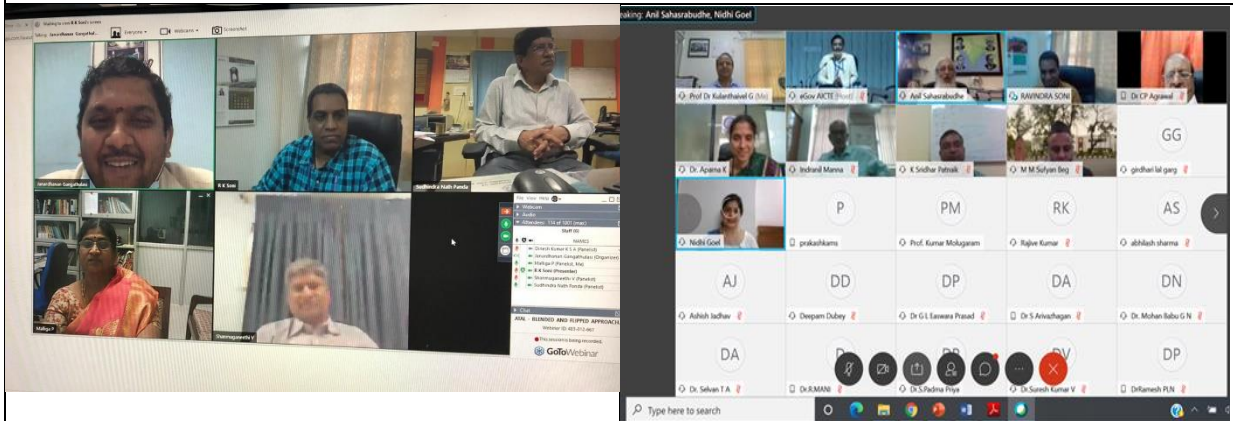
#### 4.2.5 ATAL Programmes:

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 8 programmes (Table 6) and trained around 1006 participants from all over the country.

**Table 6: List of ATAL Programmes 2020-2021**

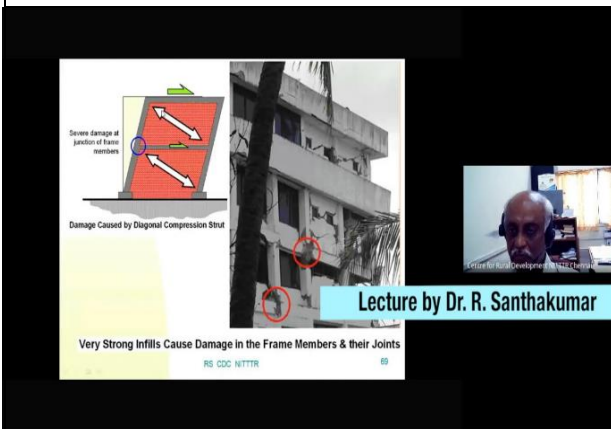
S. No	TOPIC	Coordinator	Duration	No. of Participants
1.	Blended Learning and Flipped Classroom	Dr. G. Janardhanan	24.08.2020 to 28.08.2020	186
2.	Internet of Things (IoT)	Dr. G. Kulanthaivel	07.09.2020 to 11.09.2020	168
3.	Earthquake Engineering Resistant Structures	Dr. R. Santhakumar	21.09.2020 to 25.09.2020	113
4.	Learning Management System	Dr. V. Shanmuganeethi	21.09.2020 to 25.09.2020	125
5.	IoT Based Industrial Health Monitoring System	Dr. G.A. Rathy	01.02.2021 to 05.02.2021	131
6.	Cloud Technology	Dr. V. Shanmuganeethi	08.02.2021 to 12.02.2021	116
7.	Blended Learning and Flipped Classroom	Dr. G. Janardhanan	01.03.2021 to 05.03.2021	63
8.	Learning Management System	Dr. V. Shanmuganeethi	15.03.2021 to 19.03.2021	104
			<b>Total</b>	<b>1006</b>

## Photos: ATAL Programmes, 2020 – 2021



Blended Learning and Flipped Classroom

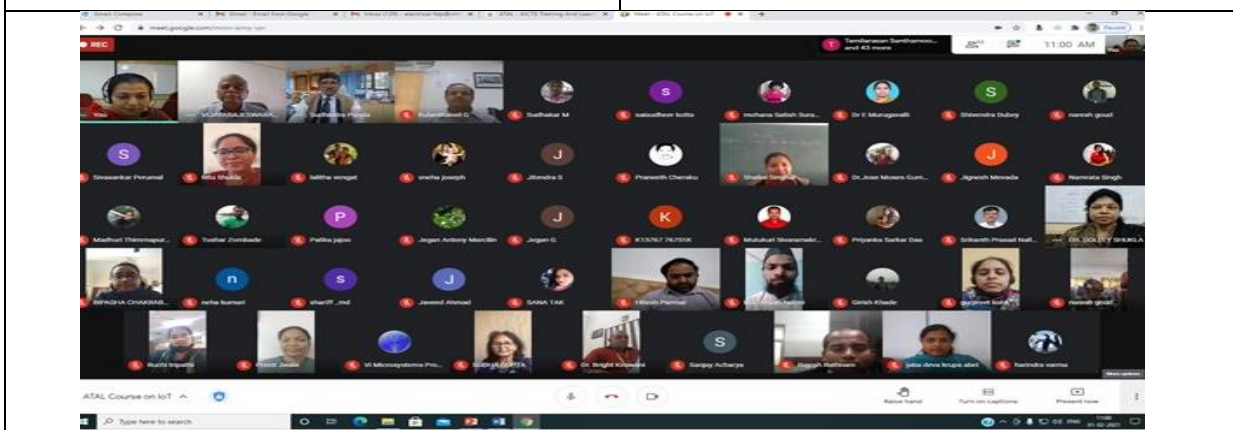
Internet of Things (IoT)



Earthquake Engineering Resistant Structures



Learning Management System



IoT Based Industrial Health Monitoring System

#### 4.2.6 Special Training Programmes:

During the year 2020-2021, the institute designed and conducted tailor made programme on “Technology Enabled Teaching for Medical Education” for medical doctors from Vardhaman Mahavir Medical College, New Delhi from 14.07.2020 to 18.07.2020 and 03.08.2010 to 07.08.2020. A total of 100 participants were benefited through this training programme.



Photo: IIITDM Programme

A unique programme on “E-Content Development for 21st century learners” was designed and conducted for Indian Institute of Information Technology Design & Manufacturing from 15.06.2020 to 19.06.2020. Around 150 participants were benefited through this training programme.

#### 4.2.7 Capacity Building Workshops:

A total of three capacity building workshops (Table 7) were conducted for the faculty members from NITTTR, Chennai, NITTTR, Chandigarh, NITTTR, Bhopal and NITTTR, Kolkata. A total of 176 participants were trained for the NITTT-Module 1, Module 5 and Module 6.

**Table 7: List of Capacity Building Programmes, 2020-2021**

S. No	TOPIC	Duration	No. of Weeks	No. of Participants
1.	NITTT-Module 1 Capacity Building Workshop	June 09-13, 2020	One	58
2.	NITTT-Module 5 Capacity Building Workshop	June 09-13, 2020	One	59
3.	NITTT-Module 6 Capacity Building Workshop	June 09-13, 2020	One	59
			<b>Total</b>	<b>176</b>

#### 4.2.8 Mentors Orientation Training Programmes:

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 two programmes.

- (a) Mentor Orientation Training Programme for technical institutes was conducted by NITTTR Chennai from 04.01.2021 to 08.01.2021. A total of 116 mentors have successfully completed the training programme by fulfilling the requirements.

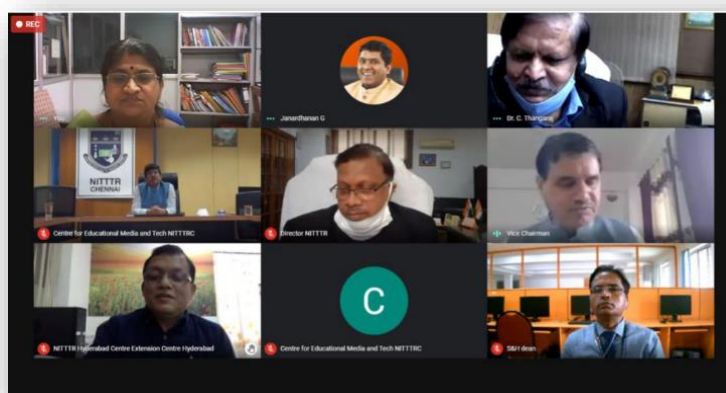


Photo: Mentor Orientation Training Programme



Photo: Mentor Orientation Training Programme

- (b) Mentor Orientation Training Programme for non-technical institutes was conducted by NITTTR Chennai from 01.02.2021 to 10.02.2021. A total of 120 mentors have successfully completed the training programme by fulfilling the requirements.



#### 4.2.9 Industries Training Programmes:

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



Photo: Trainer's the Training Programme for Air Work India

getting their engineers and staff trained. During 2020-2021, 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**

Title of the Programme	Name of the Government Organization	Duration	No. of Participants
Trainer's the Trainer Programme	Air Works India (Engineering) Pvt Ltd, Hosur.	01.02.2021 to 03.02.2021 and 08.02.2021 to 09.02.2021	14
Trainer's the Trainer Programme	Air Works India (Engineering) Pvt Ltd, Cochin.	15.02.2021 to 19.02.2021	16
<b>Total</b>			<b>30</b>

A total of 30 participants attended these training programmes. Thus to date, 2833 persons were trained through 129 courses.

#### 4.3 MEMORANDUM OF UNDERSTANDING

The NITTTTR 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 NITTR Chennai to consolidate and extend its capacity to provide a global platform for knowledge transfer. The NITTR, Chennai signed MoU with State University during the year 2020-2021 (Table 9):

**Table 9: MoU Signed, 2020-2021**

S. No	Name of the Organisation / Institute	Date of Signing
1	NI Systems India Private Limited, Bangalore	28.01.2021
2	State Institute of Rural Development and Panchayat Raj, Government of Tamil Nadu	30.03.2021

#### 4.4 WEBINARS CONDUCTED

A total of eighteen webinars were conducted during this year (Table 10). A total of 3974 participants from Engineering/Polytechnic colleges, Industries and professionals attended these webinars.

**Table 10: List of Webinars, 2020-2021**

Sl. No.	Title of the Webinar	Coordinator	Date	No. of Participants
1.	Contract Administration and Infrastructure Projects	Dr. E. S. M. Suresh	29.04.2020	141
2.	Applications of GIS in Infrastructure Planning and Management	Dr. E. S. M. Suresh	04.05.2020	168
3.	Developing GIS Hub for Sustainable Development	Dr. E. S. M. Suresh	06.05.2020	210
4.	Bridging Technical skills for employability in industry 4.0	Dr. E. S. M. Suresh	11.05.2020	204
5.	Integrated Web Based Monitoring System and Risk Management for Metro Rail Projects	Dr. E. S. M. Suresh	13.05.2020	410
6.	Characterization of Form-stable Phase Change Material for Solar Photovoltaic Cooling.	Er. Senthil Kumar	05.06.2020.	21
7.	Experimental Study on Thermal Management of Solar PV Panel Cooling using Form Stable PCM	Er. Senthil Kumar	12.06.2020.	22
8.	Computer Communication and Virtualization Technology	Dr. G. Kulanthaivel	25.06.2020	337

Sl. No.	Title of the Webinar	Coordinator	Date	No. of Participants
9.	Machine Learning with MATLAB	Dr. G. Kulanthaivel	31.07.2020	214
10.	Engineering Applications using LabVIEW	Dr. G. Kulanthaivel	07.08.2020	156
11.	Intersection of Internet of Things (IoT) and Machine learning	Dr. G. Kulanthaivel	10.09.2020	274
12.	Networking connectivity for Internet of Things (IoT) Systems - 5G, Edge and Networking Slicing”	Dr. G. Kulanthaivel	11.09.2020	236
13.	Cyber Physical System Applications using LabVIEW	Dr. G. Kulanthaivel	04.12.2020	104
14.	Designing AI for the IoT Systems	Dr. G. Kulanthaivel	18.02.2021	258
15.	Technology Enabled Learning NITTT Orientation	Dr. G. Janardhanan	04.03.2021	621
16.	Student Assessment & Evaluation NITTT Orientation	Dr. V. Shanmuganeethi	04.03.2021	475
17.	Mentoring in Technical Education – A Gender Development Perspective	Dr. S. R. Renukadevi	08.03.2021	79
18.	Integrating Education Technology into Teaching	Dr. G. Janardhanan	25.03.2021	44
<b>Total</b>				<b>3974</b>

## 5.0 CELEBRATION OF NATIONAL DAYS:

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

**Table 11: List of Celebrations, 2020-2021**

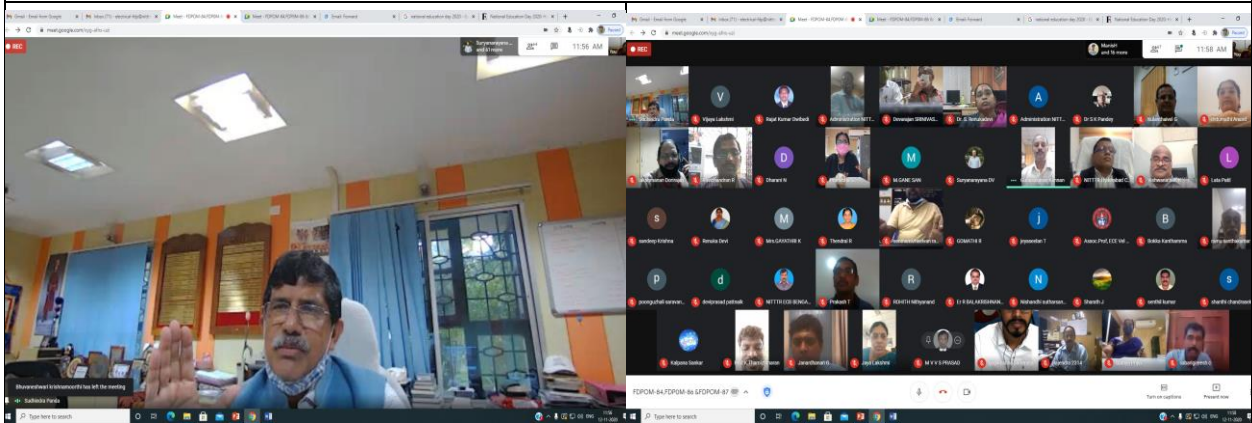
Sl. No.	Description	Date	Events	Chief Guest
1.	Jan Andolan Pledge	21.10.2020	Pledge and screening of awareness videos	Prof. Dr. S. N. Panda, Director, NITTTT, Chennai.
2.	The Vigilance Awareness Week	27.10.2020 to 02.11.2020	Pledge	Prof. Dr. S. N. Panda, Director, NITTTT, Chennai.
3.	National Constitution Day	26.11.2020.	Pledge and screening of awareness videos	Prof. Dr. S. N. Panda, Director, NITTTT, Chennai.

Sl. No.	Description	Date	Events	Chief Guest
4.	National Education Day	11.11.2020	Special lecture	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
5.	Institution Day	14.12.2020	Screening of videos from TTTI to NITTTR  Distribution of appreciation awards and Excellence awards to the faculty and staff of this institute	Dr. V. S. S. Kumar, Chairman, BOG, Chennai.  Prof. Dr. S. N. Panda, Director, NITTTR, Chennai  Dr. S. Gowri, Vice Chancellor, University of Madras.  Dr. M. Arularasu, Additional Director, Directorate of Technical Education.
6.	Martyrs Day	30.01.2021	Pledge	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
7.	Matribasha Diwas 2020	20.02.2021	Joined the online celebrations	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
8.	Azadi Ka Amruth Mahotsav	12.03.2021	Screening of videos	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.

Photos: Celebrations of National Days, 2020 – 2021



Jan Andolan Pledge



Education Day



Institution 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.



Photo: Curriculum Revision Workshop

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 2020-2021, the extension centre Hyderabad has conducted two curriculum workshops for polytechnic teachers of Telangana State and 63 participants attended these workshops. Curricula of 20 diploma programmes consisting of 40 courses were developed and 180 courses were revised for the polytechnics of Telangana State. Our faculty members are rendered service for developing/revising curricula of 479 courses for various technical institutes/university.

## 7.0 INSTRUCTIONAL MATERIALS DEVELOPMENT

During 2020-2021, the institute has updated the 86 course materials in various engineering subjects, and pedagogy for use by teachers of technical institutions.

## 8.0 INSTRUCTIONAL MEDIA DEVELOPMENT

### Video programmes

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, 64 videos (>5 minutes) and 114 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**

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Sanctioned amount (Rs. in lakhs)
i.	Teacher Education under SWAYAM	MoE, New Delhi	From Oct. 2016	Prof. Dr. S.N. Panda Dr. P. Malliga Dr. G. Janardhanan Dr. V. Shanmuganeethi	Ongoing	495.00
ii.	National Resource Centre (NRC-ARPIT-Swayam) – Sustainable Construction Materials and Technique	MoE, New Delhi	July 2019 to June 2020	Dr. K. S. A. Dineshkumar Dr. G. Janardhanan Dr. E. S. M. Suresh	Completed	19.70
iii.	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
iv.	NITTT-Web Portal Development and Maintenance	AICTE	Oct. 2019 to Till date	Prof. Dr. S.N. Panda Dr. G. Janardhanan Dr. V. Shanmuganeethi	Ongoing	400.00
<b>TOTAL</b>						<b>915.9</b>

**Table 13: Particulars of Consultancy Projects**

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Sanctioned amount (Rs. in lakhs)
i.	Water Quality Testing for Palar River Basin	TNPWD, Chennai	From Feb 2018 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan, Dr. K. S. A. Dinesh Kumar	Ongoing	0.61655
ii.	Unnat Bharat Abhiyan (UBA)	MHRD	From Jan 2018 to Till date	Prof. Dr. S. N. Panda Dr. K. S. Gridharan	Ongoing	3.50
iii.	Mitigation Plan for Kargil Nagar scheme	TNSCB Chennai	From Feb to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dineshkumar	Ongoing	5.90
iv.	DPR - Ecological Restoration – Nathapettai Tank	TNPWD, Chennai	From March 2020 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.00

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Sanctioned amount (Rs. in lakhs)
v.	DPR - Ecological Restoration – Pandravedu Tank	TNPWD, Chennai	From March 2020 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.00
vi.	DPR - Ecological Restoration – Mohammed Ghouse Tank	TNPWD, Chennai	From March 2020 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.00
vii.	Volume calculation – Manali Phase	TNPWD, Chennai	From October 2020 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.53
viii.	Volume calculation – Manali Phase	TNPWD, Chennai	From December 2020 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dinesh kumar	Ongoing	1.18
<b>TOTAL</b>						<b>15.72655</b>

## 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 14 courses (Table 14) offered as New/Re-run through SWAYAM and around 25,925 participants enrolled these programmes.

**Table No. 14: List of SWAYAM courses (TEACHERS TRAINING) offered by NITTTR's**

**National Coordinator: Prof. Dr. Sudhindra Nath Panda, Director, NITTTR CHENNAI**

SL. No	Name of the Courses	Coordinators Name	No of Enrollments
1.	Learning Management System _ MOODLE	Dr. V. Shanmuganeethi	1347
2.	Guidance and Counselling	Dr. R.Rajendran	3941



SL. No	Name of the Courses	Coordinators Name	No of Enrollments
3.	Integrating Educational Technology into Teaching	Dr. G.Janardhanan	2875
4.	Question Paper Authoring and Student Evaluation	Dr. K.S.A. Dinesh Kumar	1219
5.	OER for Empowering Teachers	Dr. P. Malliga	1790
6.	Student Psychology	Dr. S. Renukadevi	5535
7.	Strategic Planning for Technical Institution	Dr. S .Dhanapal	387
8.	Learning Management System _ MOODLE	Dr. V. Shanmuganeethi	661
9.	Guidance and Counselling	Dr. R.Rajendran	2021
10.	Integrating Educational Technology into Teaching	Dr. G.Janardhanan	772
11.	Question Paper Authoring and Student Evaluation	Dr. K.S.A. Dinesh Kumar	438
12.	OER for Empowering Teachers	Dr. P. Malliga	668
13.	Student Psychology	Dr. S. Renukadevi	3303
14.	Quality Assurance through NAAC Accreditation Process	Dr. E.S.M.Suresh	968
<b>Total</b>			<b>25925</b>

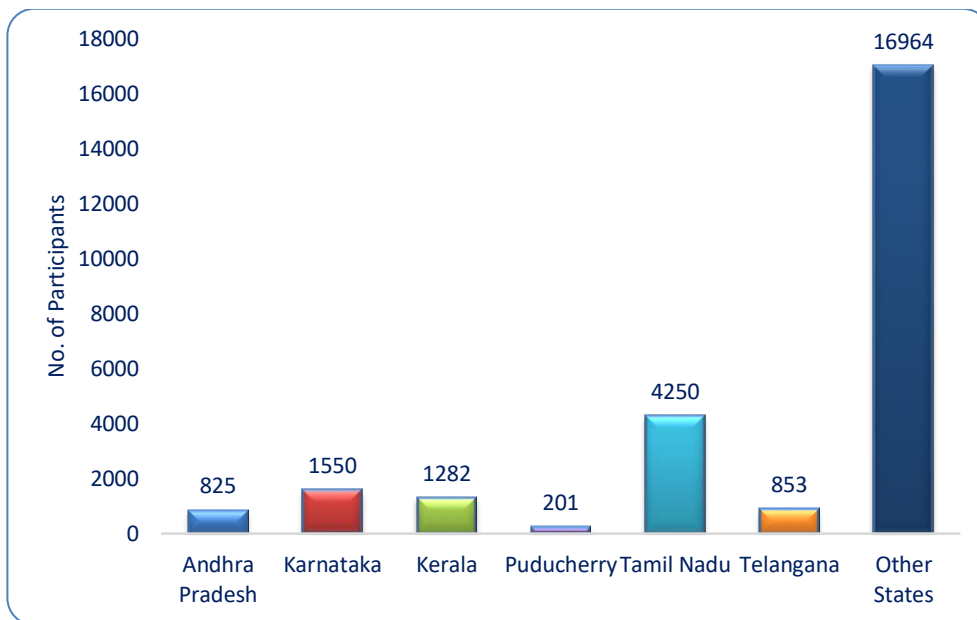


Fig 4. State-wise distribution of enrollments

## **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.

NITTT 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>. All the inductee faculty members registering in the portal <https://nitTT.ac.in> which is designed and maintained by NITTT Chennai. The initiative is inaugurated by Our Hon’ble Minister of Education, Govt. of India on 11<sup>th</sup> January 2020. In the phase 1, the eight online courses have been prepared NITTTs (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 20385 participants enrolled in the NITTT portal and undergoing the MOOCs in the SWAYAM platform.

Sl. no	Module Name
1.	Orientation towards Technical Education & Curriculum Aspects.
2.	Professional Ethics & Sustainability.
3.	Communication Skills and Knowledge Dissemination
4.	Instructional Planning and Delivery
5.	Technology Enabled Learning and Life-long self-learning
6.	Student Assessment and Evaluation
7.	Creative Problem Solving, Innovation and Meaningful research and development
8.	Institutional Management & Administrative Procedures

### 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

#### Activities:

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

## **Role of NITTTR**

To enable the project personnel associated with the implementation of CDTF 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).



Photo: Hindi Day Celebration

**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	01.09.2020 to 03.09.2020 & 14.09.2020	NITTTR Chennai	57	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai
2.	Hindi Workshop	15.10.2020		Smt. Y. Uma	
3.	Hindi Workshop	28.01.2021		Shri. S. Thirumalai	

### 14.0 FACULTY NEWS

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. Achievements and Publications:**

##### **a) Patent Granted:**

Patent titled “*Manufacturing of Artificial Coarse Aggregate with Copper Slag, Vermiculite, waste Plastic and Waste Ceramic*”, Patentee: Ms. Anne Mary J and Dr. G. Janardhanan  
PATENT APPROVED: Patent No: 356441, Application No: 201941032135; Date of Filing – 08/08/2019; and Date of Awarded:22/01/2021.

##### **b) Best Researcher Award:**

Dr. G. A. Rathy received best researcher award for the contribution and honorable achievement in innovative research for the paper on “Developing a Knowledge Structure Using Outcome Based Education in Power Electronics Engineering” from International Research Awards on Science, Health and Engineering (SHEN Research Awards 2020).

##### **c) Book/Edited Book/Chapters published:**

1. Socrates, Sandana., Purushothaman, P., & Suresh, E. S. M. (2020). Reflecting of Chennai Flash Floods and Sumerian Floods in Historical Context. Institution of Engineering (I) Centenary Publications: Kolkata.
2. Shankar Ganesh, N., & Giridharan, K. S. (2020). 5E Lesson Plans for Thermal Engineering-II. Jupiter Publications Consortium: Chennai.
3. John Deva Prasanna D.S., John Aravindhar D., & Sivasankar P. (2021) CDS-Based Routing in MANET Using Q Learning with Extended Episodic Length. In: Smys S., Balas V.E., Kamel K.A., Lafata P. (eds) Inventive Computation and Information Technologies. Lecture Notes in Networks and Systems, vol 173. Springer, Singapore. [https://doi.org/10.1007/978-981-33-4305-4\\_35](https://doi.org/10.1007/978-981-33-4305-4_35).
4. Rathy, G. A., Sivasankar, P., Balaji, A., & Gunasekaran, K. (2021). 3-Axis Robot Arm Using Micro-Stepping with Closed-Loop Control. In: Hura G., Singh A., Siong Hoe L. (eds) Advances in Communication and Computational Technology. Lecture Notes in Electrical Engineering, vol 668. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5341-7\\_33](https://doi.org/10.1007/978-981-15-5341-7_33)

##### **d) Papers Presented in Conferences/Seminars:**

1. Arivalagan, S., and Dinesh Kumar, K. S. A. (2020, August 12-13). *Experimental study on the structural properties of concrete by partial replacement of cement by rice husk ash: An eco-friendly approach*. International Conference on Smart Sustainable Materials and Technologies (ICSSMT 2020), Erode, Tamil Nadu.
2. Suresh, E. S. M. (2020, May 12). Modern challenges faced in teaching learning process and how to overcome them. Evolution of Teaching Learning Process – Post COVID 19, Bharath (Deemed to be University), Chennai, Tamil Nadu.
3. Suresh, E. S. M. (2020, June 23). Challenges in Modern Teaching Learning Process. Engineering Education in Post COVID World, VIT (Deemed to be University), Chennai, Tamil Nadu.

**e) Papers Presented in Conferences Proceedings:**

1. John Deva Prasanna, D. S., John Aravindhar, D., and Sivasankar, P. (2020, September 24). MANET routing using Connected Dominating Set and Q Learning Algorithm with extended episodic length. Proceedings of 2<sup>nd</sup> International Conference on Inventive Computation and Information Technologies.

**f) Papers published in Journals:**

1. Rajkumar, R., and Suresh, E. S. M. (2020). Application of geographical information system in analyzing employment opportunities of diploma technicians. *Journal of Emerging Technologies and Innovative Research*, 7(6), 1718-1720.
2. Senthil, M. S., and Suresh, E. S. M. (2020). Sustainable construction material management using GIS (A case study of partial replacement of M-Sand with river sand in Tiruchirappalli district). *Journal of Critical Reviews*, 7(4), 1173-1179
3. Abdel Iskar Mudhawo., and Suresh, E. S. M. (2020). Tsunami Impact Assessment Evacuation Strategy for Grand Sable Village, Mauritius using Remote Sensing and GIS. *International Journal of Engineering Trends and Technology*, 68(6), 43-49.
4. Poornesh, M., Bhat, S., Rio D'Souza, Rio., Suresh, E. S. M., and Bhat, Vinayambika, S. (2020). Comprehensive strategy to inculcate professional skills among first-year students: a collaborative learning approach. *Journal of Engineering Education Transformations*, 34, 599-606.
5. Bhat, S., D'Souza, R., Suresh, E. S. M., Bhat, S., Raju, R., and Bhat, V. S. (2020). Dynamic Classroom Strategies to Address Learning Diversity, *Journal of Engineering Education Transformations*, 34, 694-702.
6. Arul, K., and Suresh, E. S. M. (2020). A framework to evaluate the quality assurance parameters of fashion technology courses in India. *Universal Journal of Educational Research*, 9(5), 1025-1036.
7. Mahalakshmi, R., and Suresh, E. S. M. (2020). Educational videos through LMS for improvement in non-cognitive skills of computer science students. *International Journal of Innovative Research in Science, Engineering and Technology*, 9(6), 5133-5146.
8. Ramesh Kumar, J., and Rajendran. R. (2020), Effect of training programme in improving leadership skills among students of management studies in Chennai, *Skill Enhancement for Human Resource Development*, 257-262.
9. Radhika, G., Sankar, R., and Rajendran, R. (2020). Validation and cross-cultural adaptation of Tamil translated oxford happiness questionnaire applicable to patients with type 2 diabetes. *Journal of Natural Remedies*, 21(4), 184-194.
10. Radhika, G., Sankar, R., and Rajendran, R. (2020). Systems thinking approach for the promotion of mental health among adolescents: the role of food, sports, music, yoga and spirituality - need for a paradigm shift towards a Post-CoVID-19 India. *Indian Journal of Positive Psychology*, 11(4), 331-337.



11. Radhika, G., Sankar, R., and Rajendran, R. (2020). Prevalence and Predictors of Suicidal behaviour among Adolescents in India: A Systematic Review and Meta-analysis. *Journal of Critical Reviews*, 21(4),184-194.
12. Saravanan, M., Thiagarajan, C., and Somasundaram, S. (2020). Profile cutting of high carbon, high chromium, cold work steel in WEDM using molybdenum wire electrode. *ARPJ Journal of Engineering and Applied Sciences*, 15(24), 3100-3112.
13. Shanmuganeethi, V., Muthuramalingam, S., and Uma, K. V. (2020). Intelligent dynamic grouping for collaborative activities in learning management system. *Journal of Engineering Education Transformations*, 34(2), 108-116.
14. John Deva Prasanna, D. S., John Aravindhar, Sivasankar, P., and Karthickeyan Perumal. (2020). Reinforcement learning based virtual backbone construction in manet using connected dominating sets. *Journal of Critical Reviews*, 7(9),146-152.
15. Rathy, G. A., Sivasankar, P., and Gnanasambandhan, T. G. (2020). Developing a knowledge structure using outcome-based education in power electronics engineering. *Procedia Computer Science*, 172, 1026-1032.
16. Rathy, G. A., Sivasankar, P., and Tamara, Z Fadhil. (2020). An efficient IoT based biomedical health monitoring and diagnosing system using myRIO. *TELKOMNIKA Telecommunication, Computing, Electronics and Control*, 18(6), 3050-3057.
17. Abhishek, B., Ranjit, S., Shankar, T., Geoffrey, Eappen., Sivasankar, P., and Rajesh, A. (2020). Hybrid PSO-HSA and PSO-GA algorithm for 3D path planning in autonomous UAVs. *SN Appl. Sci.* 2, 1805. <https://doi.org/10.1007/s42452-020-03498-0>.
18. Rathy, G. A., Sivasankar, P., Karthikeyan Perumal., and Gunasekaran, K. (2020). Estimation of SoC using SVM regression technique for an efficient electric vehicle battery management system using c-RIO DAQ. *American Journal of Research*, 5(6), 89-103.
19. Rathy, G. A., Gunasekaran, k., Karthkeya Perumal., and Sivasankar, P. (2020). lot Based Smart Controlled Inverter. *International Journal of Computer Trends and Technology*. 68(4), 151-158.
20. Rathy, G. A., and Sivasankar, P. (2020). A study on charging infrastructure and the topologies of fast charging techniques in electric vehicle. *International Journal of Engineering Applied Sciences and Technology*, 5(2), 232-236.
21. Ulagamuthalvi. V., Kulanthaivel, G., Reddy, G., and Nikhil. (2020). Identification of parkinson's disease using machine learning algorithms. *Bioscience Biotechnology Research Communications*, 13(2), 576-579.
22. Harmen, M., Julai, N., Othman, A. K., Aznan, H., and Kulanthaivel, G. (2020). Techno-economic analysis of a stand-alone photovoltaic-diesel hybrid system for rural area in Sarawak. *International Journal of Integrated Engineering*, 12(6),137-147.

23. Kulanthaivel, G., Ezhilarasu, P., and Ulagamuthalvi, V. (2020). Big data compression for AADHAAR storage through reduced bit level ordering. *International Journal of Advanced Trends in Computer Applications*, 7(2),59-64.
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25. Giridharan, K.S., and Ishmael Nyirenda. (2020). Using social media as a teaching and learning tool: A case of 4<sup>th</sup> year medical laboratory students at university of Malawi college of medicine. *International Journal of Creative Research Thoughts*, 8(12), 1531-1538.
26. Senthil Kumar, M., Balasubramanian, K. R., Ravi Kumar, K., Sivapirakasam, S. P., and Maheswari, L. (2020). Experimental study on thermal management and performance improvement of solar PV panel cooling using form stable phase change material. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. <https://doi.org/10.1080/15567036.2020.1806409>.

## **15.0 ACKNOWLEDGEMENTS**

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- 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.

## **16.0 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 31.03.2021)

### **Chairman**

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

### **Member-Secretary**

**Prof. Dr. Sudhindra Nath Panda**  
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 Adviser (HRD)**  
Integrated Finance Division  
Department of Higher Education,  
Ministry of Education, Government of India  
Shastri Bhavan, New Delhi – 110 001.

**Representative of the AICTE**

**Dr. Usha Natesan (Till 22.07.2020)**  
Advisor-I (Approval Bureau)  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chanderlok Building  
Janpath, New Delhi - 110 001.

**Prof. Dileep N. Malkhede (From 23.07.2020)**  
Advisor-I  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chanderlok Building  
Janpath, New Delhi - 110 001.

**NITTTR Faculty Representative**

**Dr. R. Santhakumar (Till 17.02.2021)**  
Professor & Head  
Centre for Rural & Entrepreneurship  
Development,  
NITTTR, Chennai – 600 113.

**Dr. S. Renukadevi (From 18.02.2021)**  
Professor & Head  
Department of Engineering Education  
NITTTR, Chennai – 600 113.

**Five Director of Technical Education**

**The Director (Till 04.02.2021)**

Directorate of Technical Education  
Vikas Nagar, Kanpur – 208 028, Uttar Pradesh.

**The Director (Till 04.02.2021)**

Directorate of Technical Education  
HOD Building Block-3  
3<sup>rd</sup> and 4<sup>th</sup> Floor, Indrarati Bhawan,  
Naya Raipur, Chhattisgarh – 492 002.

**The Director (Till 04.02.2021)**

Directorate of Technical Education  
Tantrika Shikshana Bhavan,  
Palace Road, Bangalore – 560 001, Karnataka.

**The Director (Till 04.02.2021)**

2<sup>nd</sup> Floor, Vidya Bhavan,  
Opp. To Latha Talkies, Nampally,  
Hyderabad – 500 001, Telangana.

**The Director of Higher and Technical Education (Till 04.02.2021)**

Pipmate Complex,  
Lawspet Road, Puducherry – 605 008.

**Two Industrialists / Technical Professionals**

**Prof. Dr. A. Elayaperumal (Till 04.02.2021)**

Professor  
Engineering Design Division  
Dept. of Mechanical Engg.,  
College of Engineering,  
Chennai – 600 025.

**Shri Pradeep Menon**

Zacco  
Block 2, Cellar Floor, Rathinam Technical  
Campus, Pollachi Main Road, Eachanari,  
Coimbatore – 641 021.

## **FINANCE COMMITTEE**

**Chairman**

**Prof. Dr. V.S.S. Kumar**

Chairman – BOG of NITTTR, 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 Adviser (HRD)**

Integrated Finance Division  
Department of Higher Education,  
Ministry of Education, Government of India  
Shastri Bhavan, New Delhi – 110 001.

**Member-Secretary**

**Prof. Dr. Sudhindra Nath Panda**

Director, NITTTR, Taramani, Chennai.

## 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 academican 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

<b>Chairman</b>	Professor nominated by the Director – Chairperson
<b>Members</b>	One Faculty Member nominated by the Director Two external Expert not below the pay level of 7 nominated by the Director One member from SC /ST not below the pay level of 12
<b>Member Convener</b>	Sr. Administrative Officer, NITTTR Chennai

### 4. ACADEMIC COUNCIL

<b>Chairman</b>	Director NITTTR, Chennai-600 113.
<b>Members</b>	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

Dr. G. Kulanthaivel Professor & Head, Dept. of Electrical, Electronics & Communication Engineering	<b>Chairman</b>
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

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

**(TILL 18.08.2020)**

Dr. P. Malliga Associate Professor & Head i/c Centre for Educational Media & Technology	Chairperson
Dr. G. Kulanthaivel Professor & Head Dept. of Electrical, Electronics & Communication Engineering	Member
Sr. Administrative Officer NITTTTR, Chennai	Member
Smt. P. Kalaiselvi Stenographer Gr. I	Member
Smt. G. Prathibha Upper Division Clerk	Member

**(FROM 19.08.2020)**

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, NITTTTR Chennai	Member
Dr. G.A. Rathy Associate Professor, Dept. of Electrical, Electronics & Communication Engineering NITTTTR, Chennai	Member
Dr. M. Ganesan Junior Draughtsman, Dept. of Mechanical Engineering NITTTTR Chennai	Member



Shri D. Lakshmanan  
Consultant OSD- Administration  
NITTTR Chennai

Member

Smt. V. Subalakshmi  
Accounts Officer  
NITTTR Chennai

Member

Ms. S. Indumathi  
Section Officer Gr.II  
NITTTR Chennai

Member Secretary

## **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
<b>Board of Governors</b>	43 <sup>rd</sup> (Emergency)	15.06.2020	NITTTR, Chennai
	44 <sup>th</sup>	29.10.2020	NITTTR, Chennai
	45 <sup>th</sup>	26.03.2021	NITTTR, Chennai
<b>Finance Committee</b>	42 <sup>nd</sup>	29.10.2020	NITTTR, Chennai
	43 <sup>rd</sup>	26.03.2021	NITTTR, Chennai
<b>Annual General Meeting of NITTTR Chennai Society</b>	15 <sup>th</sup>	29.10.2020	NITTTR, Chennai

## LIST OF FACULTY

<b>Director</b>	<b>Dr. Sudhindra Nath Panda</b>
<b>Centre for Academic Studies and Research</b>	<b>Dr. E.S.M. Suresh,</b> Professor & Head i/c
<b>Centre for Curriculum Development, Planning &amp; Coordination</b>	<b>Dr. G. Janardhanan</b> Associate Professor, Head i/c
<b>Centre for Educational Management and Applied Psychology</b>	<b>Dr. R. Rajendran</b> Professor & Head
<b>Centre for Educational Media and Technology</b>	<b>Dr. P. Malliga</b> Associate Professor, Head i/c <b>Shri A.P. Felix Arokiya Raj,</b> Assistant Professor
<b>Centre for International Affairs</b>	<b>Dr. G. Janardhanan</b> Associate Professor, Head i/c
<b>Centre for Rural &amp; Entrepreneurship Development</b>	<b>Dr. R. Santhakumar</b> Professor & Head
<b>Department of Civil &amp; Environmental Engineering</b>	<b>Dr. E.S.M. Suresh,</b> Professor & Head <b>Dr. G. Janardhanan,</b> Associate Professor <b>Dr. K.S.A. Dinesh Kumar,</b> Associate Professor
<b>Department of Computer Science &amp; Engineering</b>	<b>Dr. V. Shanmuganeethi,</b> Associate Professor, Head i/c
<b>Department of Electrical, Electronics and Communication Engineering</b>	<b>Dr. G. Kulanthaivel,</b> Professor & Head <b>Dr. G.A. Rathy,</b> Associate Professor <b>Dr. P. Sivasankar,</b> Associate Professor
<b>Department of Engineering Education</b>	<b>Dr. S. Renukadevi,</b> Professor & Head <b>Dr. K.S. Giridharan,</b> 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) and 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**  
Director

**Officer in-charge**  
**NITTTR Trainees Guest House – I & II**

**Er. D.V. Suryanarayana** (upto 04.01.2021)  
Computer Programmer

**Dy. Warden**  
**NITTTR Trainees Guest House – I & II**

**Dr. G. Janardhanan** (from 05.01.2021)  
Associate Professor

**Assistant Warden**  
**NITTTR Trainees Guest House – I & II**

**Er. D.V. Suryanarayana** (from 05.01.2021)  
Computer Programmer

**Office In-charge**  
**NITTTR International Guest House**

**Dr. S. Rajasekar** (upto 04.01.2021)  
Research Assistant

**Dy. Warden**  
**International Guest House**

**Dr. G. Janardhanan** (from 05.01.2021)  
Associate Professor

**Assistant Warden**  
**International Guest House**

**Dr. S. Rajasekar** (from 05.01.2021)  
Research Assistant

**REPORT ON ACCOUNTS  
2020-21**

**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 2021**

We have audited the attached Balance Sheet of National Institute of Technical Teachers Training and Research, Chennai as at 31 March 2021, 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. General**

1. Provision for retirement benefits had not been made on actuarial valuation basis in contravention of Accounting Standard 15 issued by ICAI and Format of Accounts prescribed by Ministry of Education, Government of India.
2. In Schedule-10, Negative Balance of ₹(-)4.82 crore and ₹(-)9.22 crore under the head 'Plan Capital' and 'Non-Plan Salary' respectively were recorded. The same was not reconciled and rectified.
3. Significant accounting policy No.4 in Schedule 24 indicates that depreciation was provided on 'Written Down Value Method' as per rates specified in the Income Tax Act 1961. However as per format of accounts prescribed by MoE, the depreciation should be provided on Straight Line Method at the rates specified therein. Hence the method and rates of depreciation adopted by the Institute is in contravention to MoE format of accounts.
4. As per annual accounts, advances with CPWD as on 31.3.2021 was ₹1.10 crore and value of Work in Progress (utilized) was ₹21.52 crore whereas as per the Utilisation Certificate of CPWD the same was ₹18.69 crore and ₹9.71 crore respectively. The differences were not reconciled.
5. The Institute has kept Web Portal Account separately instead of merging the same with the main annual accounts of the Institute.

**B. Effect of Revision in Accounts**

Accounts of the Institute were revised based on audit observations. As a result of revision, Assets and Liabilities were decreased by ₹10.95 lakh -and surplus decreased by ₹10.95 lakh.

**C. Management Letter**

Deficiencies which have not been included in the Separate Audit Report have been brought to the attention of the Institute through a Management Letter issued separately for remedial / corrective action

**D. Grants-in-aid**

Out of the Grants-in-aid of ₹30.55 crore received for the year 2020-21 and ₹9.46 crore being unspent balance of the previous year, the Institute could utilize ₹25.16 crore leaving a balance of ₹14.85 crore as unutilized grant as on 31 March 2021.

- 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 2021; and
- b. In so far as it relates to Income & Expenditure Account, of the Surplus for the year ended on that date.

**for and on behalf of the C&AG of India**



**Place: Chennai- 18**

**Date: 11.10.2021**

**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 2020-21.

### **2. Adequacy of Internal Control System:**

Internal control system needs to be strengthened due to:

- Physical Verification of Fixed Assets and Inventories was not carried out for 2020-21
- Consolidated Fixed Assets Register was not maintained.
- Separate Internal Audit Wing was not set up.

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

Physical verification of Fixed Assets and Inventories was not carried out for 2020-21.

### **4. Regularity in payment of statutory dues**

The Institute was regular in payment of statutory dues.



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

**ANNUAL ACCOUNTS  
2020-21**

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113**  
**BALANCE SHEET AS AT 31.03.2021**

SOURCES OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2020-21	Previous Year 2019-20
CORPUS/CAPITAL FUND	1	920,322,844.21	845,941,105.86
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	-	360,151.00
CURRENT LIABILITIES & PROVISIONS	3	199,065,414.96	157,003,027.00
<b>TOTAL</b>		<b>1,119,388,259.17</b>	<b>1,003,304,283.86</b>

APPLICATION OF FUNDS	Schedule	Amount in Rs.	
		Current Year 2020-21	Previous Year 2019-20
<b>FIXED ASSETS</b>	4	642,199,729.79	447,862,437.80
Tangible Assets			
Intangible Assets			
Capital Works-In-Progress			
<b>INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b>	5	-	-
Long Term			
Short Term			
<b>INVESTMENTS- OTHERS</b>	6	-	-
<b>CURRENT ASSETS</b>	7	462,852,705.38	371,181,644.06
<b>LOANS, ADVANCES &amp; DEPOSITS</b>	8	14,335,824.00	184,260,202.00
<b>TOTAL</b>		<b>1,119,388,259.17</b>	<b>1,003,304,283.86</b>

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 31.03.2021**

Particulars	Schedule	Amount in Rs.	
		Current Year 2020-21	Previous Year 2019-20
<b>INCOME:</b>			
Academic Receipts	9	5,18,400.00	9,74,697.00
Grants / Subsidies	10	21,48,71,368.82	23,99,50,604.04
Income from investments	11	23,21,739.00	11,36,557.00
Interest earned	12	73,73,478.95	1,49,809.00
Other Income	13	37,13,228.22	30,31,488.00
Prior Period Income	14	2,32,44,438.32	60,99,602.00
<b>TOTAL (A)</b>		<b>25,20,42,653.31</b>	<b>25,13,42,757.04</b>
<b>EXPENDITURE</b>			
Staff Payments & Benefits (Establishment expenses)	15	17,02,46,279.00	18,46,64,857.00
Academic Expenses	16	5,13,874.00	-
Administrative and General Expenses	17	2,49,70,921.52	1,61,03,938.04
Transportation Expenses	18	5,41,545.00	8,04,672.00
Repairs & Maintenance	19	16,13,848.00	25,02,493.00
Finance costs	20	-	-
Depreciation	4	1,64,36,228.01	1,22,20,838.75
Other Expenses	21	-	-
Prior Period Expenses	22	3,83,694.00	30,29,770.00
General Expenses	23	1,73,94,509.30	3,58,74,644.00
<b>TOTAL (B)</b>		<b>23,21,00,898.83</b>	<b>25,52,01,212.79</b>
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		1,99,41,754.48	(38,58,455.75)

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Significant Accounting Policies  
Contingent Liabilities and Notes to Accounts

**SCHEDULE -1 CORPUS/CAPITAL FUND**

		Amount in Rs.	
Particulars		Current Year 2020-21	Previous Year 2019-20
	Balance at the beginning of the year	845,941,105.86	785,021,979.43
Add:	Contributions towards Corpus/Capital Fund	137,533,949.38	587,386.30
Add:	Contributions towards Corpus/Capital Fund - OTC	(110,065,239.00)	13,081,004.00
Add:	Grants from UGC, Government of India and State Government to the utilized for capital expenditure	36,710,152.00	62,926,182.00
Add:	Contributions towards Corpus/Capital Fund - SWAYAM	(12,412,385.00)	(12,822,064.00)
Add:	Assets Purchased out of Earmarked Funds		
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the institution	24,000.00	-
Add:	Assets Donated/Gifts Received		
Add:	Adjustment of Depreciation (Swayam Fund) twice taken last year	-	89,088.01
	Total	897,731,583.24	848,883,575.74
Less:	Over statement of accrued interest		-
Add:	Project Account - Capital Fund	3,190,696.12	915,985.87
Less:	EB Deposit added in Electricity charges for the past years	-	-
Less:	OTC Liability inadvertently credited to Capital	(541,189.63)	
	Plan Grant Revenue Expenditure		
Add:	Excess of Income over expenditure transferred from the Income & Expenditure Account	19,941,754.48	(3,858,455.75)
	Total	920,322,844.21	845,941,105.86
	(Deduct) Deficit transferred from the Income & expenditure Account		
	<b>Balance at the year end</b>		

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

Particulars	Amount in Rupees				
	PWD Scheme	AICTE SDP	Rajiv Gandhi N F/W	Total	
				Current Year	Previous Year
<b>A.</b>					
a) Opening Balance	293,029.00	43,100.00	24,022.00	360,151.00	360,151.00
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)					
<b>Total (A)</b>	293,029.00	43,100.00	24,022.00	360,151.00	360,151.00
<b>B.</b>					
Utilisation/Expenditure towards objectives of funds					
i) Capital Expenditure					
ii) Advance to CPWD					
iii) Revenue Expenditure					
iv) Transferred to Corpus Fund	293,029.00	43,100.00	24,022.00	360,151.00	
<b>Total (B)</b>	293,029.00	43,100.00	24,022.00	360,151.00	-
<b>Closing balance at the year end (A - B)</b>	-	-	-	-	360,151.00
<b>Represented by</b>					
Cash And Bank Balances					
Investments					
Interest accrued but not due					
<b>Total</b>					

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

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

1. Sl.No	2. Name of the Endowment	Amount in Rupees									
		Opening Balance on 1.4.2020		Additions during the Year		Total		Expenditure on the object during the year		Closing Balance on 31.03.2021	
		3	4	5	6	7	8	9	10	11	
		Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4+6)		Endowment	Accumulated Interest	
						Nil					
	<b>Total</b>										

**Notes**

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

**SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS**

Amount in Rupees

	Current Year 2020-21	Previous Year 2019-20
<b>A. CURRENT LIABILITIES</b>		
1. Deposits from Staff		
Caution Deposit for staff Quarters	-	71,860.00
Staff Quarters	121,860.00	241,582.00
2. Deposits from Students		
Caution Deposit for Ph.D	25,000.00	50,500.00
Scholarship for M.Tech - HRD Deposit	-	224,875.00
Boarding Charges - Hostel	-	42,480.00
Research Scholar - FIP	-	170,000.00
M.E.(IEM) - Caution Deposit	80,000.00	80,000.00
Emerging Area Course Fees Refundable	-	2,000.00
3. Sundry Creditors		
a) For Goods & Service		
Cofmow Equipments	-	81,889.00
Tamil Nadu Book House	-	2,731.00
b) Others	-	852,849.00
4. Deposit- Others (including EMD, Security Deposit)		
AICTE UKIERI Work shop		
Earnest Money Deposit	172,000.00	959,245.00
Community Hall Deposit	-	59,902.00
Caution Deposit for Canteen	-	8,000.00
Security Deposit	-	851,672.00
GSLIS		
5. Statutory liabilities ( GPF, TDS WC TAX, CPF, GIS, NPS):		
a) Overdue		
b) Others		
Property Tax Payable	-	130,382.00
Duties and Taxes	705,528.00	270,308.00

Duties & Taxes - Project

87,084.00

6. Other Current Liabilities		
a) Salaries		
b) Receipts against Sponsored Projects		
OTC	-	3,362,518.00
Project Account 2013-14	-	8,214,248.00
Project Account Liabilities	22,118,776.43	20,074,765.00
c) Receipts against sponsored fellowships & Scholarships		
d) Unutilised Grants	148,502,450.53	94,583,972.00
e) Grants in advance		
f) Other funds : Corpus Fund	-	1,294,000.00
GPF - Interest on Special Deposit (to be transferred to GPF)	-	438,952.00
g) SWAYAM Sponsored Projects	-	1,524,389.00
h) Other Liabilities :		
IDDS	3,621,642.00	2,230,105.00
CPSC	-	(52,246.00)
NIWE	175,894.00	175,894.00
SP-02 IM&ID Anna U	55,863.00	55,863.00
TNSCB PROG	881,290.00	881,290.00
Training BHUTAN Pro	583,466.00	583,466.00
DST NIMAT Training Programme	-	(416,171.00)
LAHEI - Afghanistan	1,466,674.00	1,461,674.00
ITP on EIT and RB&I (Indonesia)	1,785,376.00	1,785,376.00
NITTTTR Contribution	-	-
Training of Trainers	78,000.00	78,748.00
Workshop Embeded Systems	80,000.00	80,000.00
Workshop on PLC & SCAD	53,000.00	53,000.00
Workshop on WPRJP	88,500.00	88,500.00
AICTE NITTTTR Workshop	12,250.00	
ATAL-BLFC (Online FDP) - AICTE	91,000.00	
ATAL LMS 08	93,000.00	
ECD for 21st Century Learners	304,000.00	
ICAI - CA Exam 2020-21	147,500.00	
IIT, Hyderabad - Third Party Audit	56,000.00	
NIWE Programme - 2020 - 21	-	
NIWE Programme - 2020 - 21	11,789.00	
Institute Overhead - Project & Trg Progs	134,931.00	
Swayam CB Workshop	374,746.00	
<b>Total (A)</b>	<b>181,907,619.96</b>	<b>140,598,618.00</b>
<b>B. PROVISIONS</b>		
1. For Taxation		
2. Gratuity		
3. Superannuation Pension		
4. Accumulated Leave Encashment		
5. Trade Warranties /Claims		
6. Outstanding Expenses:		
Staff Salary	8,283,583.00	7,857,594.00
Pension Payments	4,833,097.00	4,827,871.00
EL Encashments	15,288.00	-
Contractual Employment	1,793,369.00	
Maintenance expenses like Security & House keeping charges, Water charges, etc.	1,333,644.00	3,170,912.00
Outstanding to Fellowship Scholars	169,786.00	50,000.00
Building & Electrical Maint., Reimbursement of Medical Bills & Others	729,028.00	498,032.00
Audit Fees Payable	-	-
<b>Total (B)</b>	<b>17,157,795.00</b>	<b>16,404,409.00</b>
<b>Total (A+B)</b>	<b>199,065,414.96</b>	<b>157,003,027.00</b>



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

1. Sl. No.	2. Name of the Project	Opening Balance on 1.4.2020		5. Receipts/ Recoveries during the year	6. Total	7. Expenditure during the year	Closing Balance on 31.3.2021	
		3. Credit	4. Debit				8. Credit	9. Debit
1	IDDS	2,230,105.00		1,467,000.00	3,697,105.00	75,463.00	3,621,642.00	
2	CPSC	(52,246.00)		52,246.00	-	-	-	
3	NIWE PROGRAMME	175,894.00		-	175,894.00	-	175,894.00	
4	SP-02 IM&ID Anna U	55,863.00		-	55,863.00	-	55,863.00	
5	TNSCB PROG	881,290.00		-	881,290.00	-	881,290.00	
6	Training BHUTAN Prog	583,466.00		-	583,466.00	-	583,466.00	
7	IIP on EIT & RB&I (Indonesia)	1,785,376.00		-	1,785,376.00	-	1,785,376.00	
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	78,748.00		41,252.00	120,000.00	42,000.00	78,000.00	
12	LAHEI AFGHANISTAN	1,461,674.00		5,000.00	1,466,674.00	-	1,466,674.00	
13	DST PROGRAMME	(416,171.00)		511,043.00	94,872.00	94,872.00	-	
14	AICTE NITTR Workshop			26,250.00	26,250.00	14,000.00	12,250.00	
15	ATAL- 3 EQE (Online FDP) - AICTE			95,000.00	95,000.00	95,000.00	-	
16	ATAL-BLFC (Online FDP) - AICTE			186,000.00	186,000.00	95,000.00	91,000.00	
17	ATAL-Cloud Technology (Online FDP) - AICTE			93,000.00	93,000.00	93,000.00	-	
18	ATAL-IOT (Online FDP) - AICTE			218,700.00	218,700.00	218,700.00	-	
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			304,000.00	304,000.00	-	304,000.00	
22	ICAL - CA Exam 2020-21			221,000.00	221,000.00	73,500.00	147,500.00	
23	IIIT, Hyderabad - Third Party Audit			56,000.00	56,000.00	-	56,000.00	
24	NIWE Programme - 2020 - 21			42,372.00	42,372.00	30,583.00	11,789.00	
	<b>Total</b>	<b>7,005,499.00</b>	<b>-</b>	<b>3,506,863.00</b>	<b>10,512,362.00</b>	<b>927,118.00</b>	<b>9,585,244.00</b>	<b>-</b>

1. The Projects may be listed agency-wise, with sub-totals for each agency.

2. The total of Col. 8 (Credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).

3. The total of Col. 9 (Debit) will appear as Receivables in Schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.

**SCHEDULE 3 (b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS**

1. SI No	2. Name of Sponsor	Amount in Rupees					
		Opening Balance As On 01.04.2020		Transactions During the year		Closing Balance As On 31.03.2021	
		3	4	5	6	7	8
		Cr.	Dr.	Cr.	Dr.	Cr.	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 2020-21	Previous Year 2019-20
<b>A. Plan grants: Government of India</b>		
Balance B/F	94,583,971.35	4,460,757.39
Add: Receipts during the year	305,500,000.00	393,000,000.00
<b>Total (a)</b>	<b>400,083,971.35</b>	<b>397,460,757.39</b>
Less Refunds		
Less: Utilized for Revenue Expenditure	214,871,368.82	239,950,604.04
Less: Utilized for Capital expenditure	36,710,152.00	62,926,182.00
<b>Total(b)</b>	<b>251,581,520.82</b>	<b>302,876,786.04</b>
Unutilized carried forward (a-b)	148,502,450.53	94,583,971.35
<b>B. UGC grants: Plan</b>		
Balance B/F		
Receipts during the year		
<b>Total (c)</b>	<b>NIL</b>	
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
<b>Total (d)</b>	<b>NIL</b>	

Unutilized carried forward (c-d)

<b>C. UGC Grants Non Plan</b>			
Balance B/F			
Receipts during the year			
<b>Total (e)</b>		NIL	
Less Refunds			
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
<b>Total (f)</b>		NIL	
<b>D. Grants from State Govt.</b>			
Balance B/F			
Receipts during the year			
<b>Total (g)</b>		NIL	
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
<b>Total (h)</b>		NIL	
<b>Unutilized carried forward (g - h)</b>			
<b>*Grand Total (A+B+C+D)</b>		<b>148,502,450.53</b>	<b>94,583,971.35</b>

**Notes:-**

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

SCHEDULE 4 FIXED ASSETS

Plan:

Sl. No.	Assets Heads	RATE	WDV OF BLOCK OF ASSETS			Closing Balance	Dep Opening Balance	Depreciation for the Year 2020-21		Amount in Rupees		
			Op Balance 01.04.2020	Additions	Deductions			Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.21	Net Block 31.03.20
1	Land-Free Hold	LEASE-0	268,500.00			268,500.00	-				268,500.00	268,500.00
2	Site Development											
3	Buildings	2.00%	185,556,351.00	155,600,475.00		341,156,826.00	24,013,074.00	6,823,137.00			334,333,689.00	185,556,351.00
4	Roads & Bridges											
5	Tubewells & Water Supply											
6	Sewerage & Drainage											
7	Electrical Installation and equipment	5%	77,092.00			77,092.00	51,706.00	3,855.00			73,237.00	77,092.00
8	Plant & Machinery	5%	9,296,039.00			9,296,039.00	6,182,678.00	464,802.00			8,831,237.00	9,296,039.00
9	Scientific & Laboratory Equipment											
10	Office Equipment	7.50%	38,226,677.00			38,226,677.00	9,690,645.00	2,867,001.00			35,359,676.00	38,226,677.00
11	Audio Visual Equipment	0.00%										
12	Computers & Peripherals	20.00%	9,246,784.00	4,563,158.00		13,809,942.00	14,947,604.00	2,761,988.00			11,047,954.00	9,246,784.00
13	Furniture, Fixtures & Fittings	7.50%	4,296,660.00			4,296,660.00	2,667,160.00	322,250.00			3,974,410.00	4,296,660.00
14	Vehicles	10.00%	171,775.00	2,062,502.00		2,234,277.00	230,285.00	223,428.00			2,010,849.00	171,775.00
15	Lib. Books & Scientific Journals	10.00%	3,040,585.00	2,518,106.00		5,558,691.00	2,116,234.00	555,869.00			5,002,822.00	3,040,585.00
16	Smart Classroom											
17	Small Value Assets	7.50%	2,929,425.00			2,929,425.00	1,677,762.00	219,707.00			2,709,718.00	2,929,425.00
18	Other Assets	5.00%	1,504,001.00			1,504,001.00	79,158.00	-			1,504,001.00	1,504,001.00
19	Equipments	5.00%	14,534,840.00	5,279,569.00		19,814,409.00	764,992.00	990,720.45			18,823,688.55	14,534,840.00
	Total (A)		269,148,729.00	170,023,810.00		439,172,539.00	62,421,298.00	15,232,757.45			423,939,781.55	269,148,729.00
18	Capital Work in Progress											
	Class Room Construction WIP		113,384,153.00	370,811,333.00		215,210,858.00					215,210,858.00	113,384,153.00
	Building Renovation WIP		62,691,291.00			62,691,291.00					62,691,291.00	62,691,291.00
	Computers-WIP											
	Total (B)		176,075,444.00	370,811,333.00		215,210,858.00					215,210,858.00	176,075,444.00
S.No.	Intangible Assets											
19	Computer Software	40.00	977,701.00	1,849,538.00		2,827,239.00	2,069,313.00	1,130,896.00			1,696,343.00	977,701.00
20	E-Journals	0.20	362,872.80			362,872.80	90,718.20	72,574.56			290,298.24	362,872.80
21	Patents											
	Total (C)		1,340,573.80	1,849,538.00		3,190,111.80	2,160,031.20	1,203,470.56			1,986,641.24	1,340,573.80
	Grand Total (A+B+C)		446,564,746.80	542,684,681.00		657,573,508.80	64,581,329.20	16,436,228.01			641,137,280.79	446,564,746.80
	Swavaim		446,564,746.80	542,684,681.00		657,573,508.80	64,581,329.20	16,436,228.01			641,137,280.79	446,564,746.80
1	Audio Visual Equipment		439,728.00			439,728.00	166,686.00	65,955.00			373,769.00	439,728.00
2	Other Equipment		46,204.00			46,204.00	8,154.00	6,931.00			39,273.00	46,204.00
	Corpus Fund Account											
1	Leashtop Faculties		811,759.00	542,684,681.00		811,759.00	452,004.00	162,352.00			649,407.00	811,759.00
			447,862,437.80	542,684,681.00		658,831,926.80	65,208,173.20	16,671,470.01			642,199,729.79	447,862,437.80

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.

**SCHEDULE 4A PLAN**

Amount in Rupees

Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2020-21			Net Block		
		Op Balance 01.04.202	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.2021	31.03.2020
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 01.04.2020	Additions	Deductions	CI Balance	Dep Opening Balance	Amortization for the Year	Deductions/ Adjustments	Total Amortization n/ Adjustment	31.03.2021	31.03.2020
18	Computer Software	0									0
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 2020-21			Net Block			
		Op Balance 01.04.2020	Additions	Deductions	CI Balance	Dep Opening Balance	Deprecia tion for the Year	Deductions / Adjustment	Total Depreciation	31.03.21	31.03.20
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation & equipment										
8	Plant & Machinery										
9	Scientific & Laboratory Equipment										
10	Office Equipment					Nil					
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
<b>Total (A)</b>											
17	Capital Work in Progress (B)										
Sl. No.	Intangible Assets	Op Balance 01.04.2020	Additions	Deductions	CI Balance	Dep Opening Balance	Amortiza tion for the Year	Deductions / Adjustments	Total Amortization/ Adjustments	31.03.21	31.03.20
18	Computer Software										
19	E-Journals										
20	Patents				Nil						
Total (C)											
<b>Grand Total (A+B+C)</b>											

**SCHEDULE 4 C- INTANGIBLE ASSETS**

Sl. No.	Asset Heads	Gross Block				Depreciation Block				Amount in Rupees	
		Op. Balance 01.4.2020	Additions	Deductions	Cl. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03.21	31.03.20
1	Patents & Copyrights					Nil					
2	Computer Software										
3	E - Journals										



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

Amounts in Rupees.

Particulars	Op. Balance	Addition	Gross	Amortization	Net Block 2020-21	Net Block 2019-20
A. Patents Granted 1 Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs.../-) 2 Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value-Rs.../-) 3 Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs.../-) 4 Patents granted during the Current Year			Nil			
<b>Total</b>						

Particulars	Op. Balance	Addition	Gross	Patents Granted/ Rejected	Net Block 2020-21	Net Block 2019-20
B. Patents Pending in respect of Patents applied for 1 Expenditure incurred during 2009-10 to 2011-12 2 Expenditure incurred during 2012-13 3 Expenditure incurred during 2013-14			Nil			
<b>Total</b>						
<b>C. Grand Total (A+B)</b>						

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

**SCHEDULE 4D OTHERS**

Amount in Rupees

Sl. No.	Assets Heads	Gross Block			Depreciation for the Year 2020-21			Net Block			
		Op Balance 01.04.2020	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.21	31.03.20
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										
<b>Total:</b>											
17	Capital Work in Progress										
<b>Grand Total</b>											

Note: The additions during the Year include additions from:

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

**Total**

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

Amount in Rupees

	Current Year 2020-21	Previous Year 2019-20
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)		
<b>Total</b>		

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

Amount in Rupees

Sl. No.	Funds	Current Year (2020-21)	Previous Year (2019-20)
1			
2			
3			
4			
5	Endowment Fund Investments		
	<b>Total</b>		

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

**SCHEDULE 6 - INVESTMENTS - OTHERS**

	Amount in Rupees	
	Current Year 2020-21	Previous Year 2019-20
1. In Central Government Securities		
2. In State Government Securities		
3. Other approved Securities		
4. Shares		
5. Debentures and Bonds		
6. Others (to be specified)		
<b>TOTAL</b>		

**SCHEDULE 7 - CURRENT ASSETS**

		Amount in Rupees	
		Current Year 2020-21	Previous Year 2019-20
<b>1. Stock:</b>			
	a) Stores and Spares		
	b) Loose Tools		
	c) Publications		
	d) Laboratory chemicals, consumables and glass ware		
	e) Building Material		
	f) Electrical Material	5,800.00	
	g) Stationery		
	h) Water supply material		
	i) Postage	12,273.00	12,287.00
<b>2. Sundry Debtors:</b>			
	a) Debts Outstanding for a period exceeding six months		
	b) Others :	4,525.50	38,884.00
<b>3. Closing Cash and Bank Balances :</b>			
	<b>a) With Scheduled Banks:</b>		
	In Current Accounts		
	In term deposit Accounts		
	In Savings Accounts		
	In Cash Balance (Misc)		
	In Bank Balance	462,830,106.88	371,093,521.89
	In Bank Balance - Statutory payment (CD A/c 3001)		4,626.00
	In Bank Balance Rajiv Gandhi National Fellowship		4,605.90
	In Bank Balance Athletic		27,719.27
	<b>Fund Transfer</b>		
	AXIS Bank OTC Transfer		
	CANARA Bank OTC Transfer		
	<b>b) With non-Scheduled Banks:</b>		
	- In term deposit Accounts		
	- In Savings Accounts		
<b>4. Post Office- Savings Accounts</b>			
	<b>TOTAL</b>	462,852,705.38	371,181,644.06

**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 31.03.2021 (Rs.)
	<b>MAIN ACCOUNT</b>		
1	Indian Overseas Bank	041802000000001	55,600.24
2a	Indian Overseas Bank	041801000000099	29,792,498.33
2b	Indian Overseas Bank FFD	041801000000099	-
3	Canara Bank	2649201000193	28,084,740.81
4a	Canara Bank	2649101010260	155,258,450.00
4b	Canara Bank FFD	2649101010260	-
5	Canara Bank	2649132000013	-
6	State Bank of India		30,000,000.00
7	IDBI FD - SDR Account		10,000,000.00
8	TNSC Bank	0000202001947	27,719.27
9	Statutory payment (CD A/c 3001)		4,626.00
			<b>253,223,634.65</b>
	<b>PROJECT ACCOUNT</b>		
10a	Indian Overseas Bank	041801000000101	24,998,428.55
10b	Indian Overseas Bank FFD	041801000000101	-
	<b>OTC ACCOUNT</b>		
11a	Canara Bank	2649101010094	27,967,148.00
11b	Canara Bank FFD	2649101010094	-
11c	AXIS Bank	910010043377429	568,042.00
	<b>CORPUS FUND A/C</b>		
12	Indian Overseas Bank	041801000030101	42,195,068.68
13	FD IOB Corpus 30101		98,500,000.00
	<b>SWAYAM ACCOUNT</b>		
14	Canara Bank	2649101010177	15,377,785.00
			<b>209,606,472.23</b>

Grand Total (excluding 8 &amp; 9)

**462,830,106.88**

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

		Amount in Rupees	
		Current Year 2020-21	Previous Year 2019-20
1. Advances to employees: (Non-interest bearing)			
a) Salary			
b) Festival		264,000.00	144,199.00
c) Medical Advance		-	13,080.00
d) Other (to be specified)		-	-
Computer Advance		11,400.00	53,775.00
Conveyance Advance		-	32,990.00
Flood Loan Advance		-	12,200.00
Persons with Disabilities		-	13,893.00
Loan to PF a/c		-	50,000.00
LTC Advance		-	49,353.00
Other Employee Loans & Advances		-	-
2. Long Term Advances to employees: (Interest bearing)			
a) Vehicle loan			
b) Home loan : House building advance		170,065.00	(27,351.00)
c) Others (to be specified) Other staff		-	9,237.00
3. Advances and other amounts recoverable in cash or in kind or for value to be received:			
a) On Capital Account			
b) Permanent advance		-	575,978.00
c) Temporary Advance - Main Account, OTC, Project and Swayam		-	3,420,311.00
d) Entrepreneurship prog		-	259,936.00
e) Others :		-	92,242.00
f) UNESCO Project		-	85,562.00
4. Prepaid Expenses			
a) Insurance			
b) E Journal Subscription			
c) AMC Lab and Office Equipment			



5. Deposits			
a) Telephone	90,629.00		93,409.00
b) Lease Rent			
c) Electricity	446,193.00		474,126.00
d) AICTE, if applicable			
e) Others (to be specified)			
Community Hall Deposit	-		1,093.00
Security Deposit with Industry	275.00		275.00
Security Deposit with MES	411,969.00		411,969.00
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	10,998,000.00		136,573,916.00
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			
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	-		1,550,409.00
b) Debit balances in Sponsored Fellowships & Scholarships			
ICT	-		81,545.00
National Ws on KOHA	-		33,228.00
Board of Apprentices Training	-		-
GSLIS	-		95,117.00
c) Grants Receivable	-		40,000,000.00
d) Other :			
E) Income receivable	84,676.00		98,957.00
F) TNHD	-		8,750.00
G) Refund due from IT towards TDS	621,457.00		
8. Claims Receivable			
TDS - OTC	1,185,157.00		
<b>TOTAL</b>	<b>14,335,824.00</b>		<b>184,260,202.00</b>

**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 2020-21	Previous Year 2019- 20
<b>FEES FROM STUDENTS</b>			
<b>Academic</b>			
1. Tuition fee Ph D		60,000.00	50,000.00
Tuition fee M.E./M.Tech		154,500.00	349,600.00
Staff Development Programmes		-	-
2. Admission fee Ph D			
Admission fee M.E./M.Tech		300,000.00	80,000.00
3. Enrolment fee/Course Fees			
4. Library Admission fee			
5. Laboratory fee			
6. Art& Craft fee			
7. Registration fee			
8. Syllabus fee			
	<b>Total (A)</b>	514,500.00	479,600.00
<b>Examinations</b>			
1. Admission test fee			
2. Annual Examination fee			
3. Mark sheet, certificate fee			
4. Entrance examination fee			
	<b>Total (B)</b>	-	-

<b>Other Fees</b>			
1. Identity card fee			
2. Fine/ Miscellaneous fees	-		130,400.00
3. Medical fee			
4. Transportation fee			
5. Hostel fee			
<b>Total (C)</b>	-		130,400.00
<b>Sale of Publications</b>			
1. Sale of Admission/Application forms	3,900.00		
2. Sale of syllabus and Question Paper, etc.			
3. Sale of prospectus including admission forms			
<b>Total (D)</b>	3,900.00		-
<b>Other Academic Receipts</b>			
1. Registration fee for workshops, programmes			
2. Registration fees (Academic Staff College)			
3. IDDS Revenue Receipts	-		364,697.00
<b>Total (E)</b>	-		364,697.00
<b>GRAND TOTAL (A+B+C+D+E)</b>	518,400.00		974,697.00

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)**

Amount in Rupees

Particulars	PLAN GOI			Total Plan	NON PLAN GOI			Total Non Plan	Current Year Total 2020-21	Previous Year Total 2019-20
	UG C	Plan Capital	Plan General		UG C	Non Plan Salary	Non Plan General			
Balance B/F		(31,474,844.00)	223,697,715.35	192,222,871.35	(97,868,475.00)	229,575.00	(97,638,900.00)	94,583,971.35	4,460,757.39	
Add: Receipts during the year		20,000,000.00	172,700,000.00	192,700,000.00	112,800,000.00	-	112,800,000.00	305,500,000.00	393,000,000.00	
<b>Total</b>		(11,474,844.00)	396,397,715.35	384,922,871.35	14,931,525.00	229,575.00	15,161,100.00	400,083,971.35	397,460,757.39	
Less: Refund to UGC										
Balance		(11,474,844.00)	396,397,715.35	384,922,871.35	14,931,525.00	229,575.00	15,161,100.00	400,083,971.35	397,460,757.39	
Less: Utilised for Capital expenditure (A)		36,710,152.00		36,710,152.00				36,710,152.00	62,926,182.00	
Balance		(48,184,996.00)	396,397,715.35	348,212,719.35	14,931,525.00	229,575.00	15,161,100.00	363,373,819.35	334,534,575.39	
Less: utilized for Revenue Expenditure (B)			107,715,314.82	107,715,314.82	107,156,054.00		107,156,054.00	214,871,368.82	239,950,604.04	
Balance C/F (C)		(48,184,996.00)	288,682,400.53	240,497,404.53	(92,224,529.00)	229,575.00	(91,994,954.00)	148,502,450.53	94,583,971.35	

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**

Amount in Rupees

Particulars	Earmarked / Endowment Funds		Other Investments	
	Current Year 2020-21	Previous Year 2019-20	Current Year 2020-21	Previous Year 2019-20
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			2,321,739.00	1,136,557.00
<b>Total</b>			<b>2,321,739.00</b>	<b>1,136,557.00</b>
Transferred to Earmarked/Endowment Funds				
Balance	Nil	Nil		

Note: Interest accrued but not due on Term Deposits / HBA, conveyance advance and Computer Advance and on interest bearing advances to employees will be included here (Item 3), only where Revolving funds (EMF) for such advances have been set up.

**SCHEDULE 12:- INTEREST EARNED**

Particulars	Amount in Rupees	
	Current Year 2020-21	Previous Year 2019-20
1. On Savings Accounts with scheduled banks	7,252,478.95	-
2 On Loans		
a. Employees/Staff	-	-
b. Others : i) Interest on Conveyance Advance	70,200.00	48,449.00
ii) Interest on Computer Advance	50,800.00	101,360.00
3. On Debtors and Other Receivables		
<b>Total</b>	<b>7,373,478.95</b>	<b>149,809.00</b>

**Note:**

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

**SCHEDULE 13- OTHER INCOME**

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

		Amount in Rupees	
A. Income from Land & Buildings	Current Year 2020-21	Previous Year 2019-20	
1. Hostel Room Rent	104,480.00	283,690.00	
2. License fee	242,775.00	263,539.00	
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc			
4. Electricity charges recovered			
5. Water charges recovered			
6. Tender Fees	-	-	
7. Staff Quarters Rent	885,267.00	618,258.00	
8. Guest House Room Rent	7,800.00	316,688.00	
9. Rent for Institute Premises	-		
10. Community Hall Rent	-	-	
<b>Total - A</b>	<b>1,240,322.00</b>	<b>1,482,175.00</b>	
<b>B. Sale of institute's publications</b>			
1. Sale of Books and CD's		-	
<b>Total - B</b>	-	-	
<b>C. Income from holding events</b>			
1. Gross Receipts from annual function/ sports carnival			
Less: Direct expenditure incurred on the annual function/ sports carnival			
2. Gross Receipts from fetes (Workshops, Seminars, etc.)	-	-	
Less: Direct expenditure incurred on the fetes (Workshops, Seminars, etc.)	-	-	
Net	-	-	
3. Gross Receipts for educational tours			
Less: Direct expenditure incurred on the tours			
4. Others : Remn to instiuite Faculty staff			
Institute Overhead Project & Trg Programmes	-	50,000.00	
Faculty Development Prog			
IDDS	-	937,255.00	
Misc Revenue Receipts	1,655,427.22	473,285.00	
<b>Total - C</b>	<b>1,655,427.22</b>	<b>1,460,540.00</b>	



D. Others	Current Year 2020-21	Previous Year 2019-20
1. Income from consultancy		
2. RTI fees	50.00	-
3. Income from Royalty		88,773.00
4. Sale of application form (recruitment)		
5. Misc. receipts (Sale of tender form, waste paper, etc.)		
Machinery scrap items	342,082.00	-
6. Profit on Sale/disposal of Assets		
a) Owned assets	46,439.00	
b) Assets received free of cost		
7. Grants/Donations from Institutions, Welfare Bodies and International		
8 Others (specify)		
Tuition Fees		
Interest Receipts	78,908.00	-
Rental Income	350,000.00	-
6th PCP Pay Recovery Salary		
<b>Total - D</b>	817,479.00	88,773.00
<b>Grand Total (A+B+C+D)</b>	3,713,228.22	3,031,488.00

**SCHEDULE 14 - PRIOR PERIOD INCOME**

Particulars	Amount in Rupees	
	Current Year 2020-21	Previous Year 2019-20
1. Academic Receipts	20,000.00	81,424.00
2. Income from Investments		
3. Interest earned (EB Meter Caution Deposit)		2,660.00
Staff Quarters Rent	109,128.00	82,555.00
Guest House Room Rent	17,671,789.00	5,553,880.00
Hostel Room Rent	5,089,886.78	
4. Other Income	353,634.54	379,083.00
<b>Total</b>	<b>23,244,438.32</b>	<b>6,099,602.00</b>

**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 2020-21			Previous Year 2019-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Salaries and Wages	-	93,181,825.00	93,181,825.00		102,251,557.00	102,251,557.00
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		1,288,458.00	1,288,458.00		133,513.00	133,513.00
h) Medical facility/Reimbursement		1,792,038.00	1,792,038.00		1,849,989.00	1,849,989.00
i) Children Education Allowance		781,440.00	781,440.00		840,432.00	840,432.00
j) Others			-			-
1) Others: Professional Development Allowance		1,462,154.00	1,462,154.00		584,524.00	584,524.00
2) Uniform Allowance		75,000.00	75,000.00			
3) Transport Allowance Recovery		-	-			
<b>TOTAL</b>		98,580,915.00	98,580,915.00		105,660,015.00	105,660,015.00

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

Amount in Rupees

	Pension	Gratuity	Leave Encashment	Total
<b>Opening Balance as on 1.4.2020</b>				
<b>Addition: Capitalized value of Contributions Received from other Organizations</b>				
Total (a)				
Less: Actual Payment during the Year (b)	58,513,874.00	2,819,466.00	2,574,767.00	63,908,107.00
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	2,725,005.00			2,725,005.00
C. Medical Reimbursement to Retired Employees				-
D. Travel to Hometown on Retirement				-
E. Deposit Linked Insurance Payment				-
F. Commutation of Pension	3,351,019.00			3,351,019.00
G. Leave salary and pension contribution	1,681,233.00			1,681,233.00
<b>Total (A+B+C+D+E)</b>	<b>66,271,131.00</b>	<b>2,819,466.00</b>	<b>2,574,767.00</b>	<b>71,665,364.00</b>

**Note:**

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

**SCHEDULE 16 - ACADEMIC EXPENSES**

Amount in Rupees

	Current Year 2020-21			Previous Year 2019-20		
	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						
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)		513,874.00	513,874.00			
<b>TOTAL</b>		513,874.00	513,874.00		-	-

NOTE : AFFILIATION EXPENSES : Rs. 5,10,000/-  
 Expr on ME Programme : Rs.3874/-

**SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES**

Amount in Rupees

	Current Year 2020-21			Previous Year 2019-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
<b>A Infrastructure</b>			-			-
a) Electricity and power		2,331,900.00	2,331,900.00		3,049,599.00	3,049,599.00
b) Water charges		604,167.00	604,167.00		1,884,397.00	1,884,397.00
c) Insurance		58,939.00	58,939.00			-
d) Rent, Rates and Taxes (including property tax)			-			-
Property Tax			-			-
Service Tax			-			-
Water Tax			-			-
<b>B Communication</b>			-			-
e) Postage		50,131.19	50,131.19		110,153.20	110,153.20
f) Telephone, Fax and Internet Charges		275,630.39	275,630.39		259,524.00	259,524.00
<b>C Others</b>			-			-
g) Printing and Stationery (consumption)			-			-
h) Travelling and Conveyance Expenses			-		168,940.00	168,940.00
i) Hospitality			-			-
j) Auditors Remuneration		-	-		101,440.00	101,440.00
k) Professional Charges : Legal Charges		392,600.00	392,600.00		320,750.00	320,750.00
l) Advertisement and Publicity		474,107.00	474,107.00		54,790.00	54,790.00
m) Magazines & Journals			-			-
n) Others : Repairs		120,855.00	120,855.00		288,430.00	288,430.00
o) Fellowship to Research Scholars		575,000.00	575,000.00		-	-
Contingencies		9,776,959.70	9,776,959.70		1,831,913.80	1,831,913.80
Security Charges		10,306,311.20	10,306,311.20		8,026,253.00	8,026,253.00
Bank Charges		4,321.04	4,321.04			
Misc Expenditure :			-		7,748.04	7,748.04
Golden Jubilee Celebration			-			-
<b>TOTAL</b>		24,970,921.52	24,970,921.52		16,103,938.04	16,103,938.04

**SCHEDULE 18- TRANSPORTATION EXPENSES**

Particulars	Amount in Rupees					
	Current Year 2020-21			Previous Year 2019-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)			-			-
a) Running expenses			-			-
b) Repairs & maintenance		298,940.00	298,940.00		804,672.00	804,672.00
c) Insurance expenses			-			-
2 Vehicles taken on rent/lease			-			-
a) Rent/lease expenses			-			-
3 Vehicle (Taxi) hiring expenses		242,605.00	242,605.00			-
<b>Total</b>		541,545.00	541,545.00		804,672.00	804,672.00

**SCHEDULE 19 - REPAIRS & MAINTENANCE**

Particulars	Amount in Rupees					
	Current Year 2020-21			Previous Year 2019-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Buildings			-			-
b) Furniture & Fixtures			-			-
c) Plant & Machinery			-			-
d) Office Equipment : A C			-			-
e) Computers			-			-
f) Laboratory & Scientific equipment			-			-
g) Audio Visual equipment			-			-
h) Cleaning Material & Services			-			-
i) Book binding charges			-			-
j) Gardening			-			-
k) Estate Maintenance : Trainees Guest House			-			-
l) Others : Guest House Expenditure		30,000.00	30,000.00		33,600.00	33,600.00
m) Electrical Maintenance		1,537,370.00	1,537,370.00		2,454,153.00	2,454,153.00
n) Trainees Guest House		46,478.00	46,478.00		14,740.00	14,740.00
<b>TOTAL</b>		<b>1,613,848.00</b>	<b>1,613,848.00</b>		<b>2,502,493.00</b>	<b>2,502,493.00</b>



**SCHEDULE 20 - FINANCE COSTS**

Particulars	Amount in Rupees					
	Current Year 2020-21			Previous Year 2019-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Bank charges						
b) Others: Interest on Service Tax			-			-
<b>Total</b>					-	-

**Note:-**

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

**SCHEDULE 21 - OTHER EXPENSES**

Amount in Rupees

Particulars	Current Year 2020-21			Previous Year 2019-20		
	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**

Amount in Rupees

Particulars	Current Year 20-21			Previous Year 19-20		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Establishment expenses			-		322,330.00	322,330.00
2 Academic expenses						
3 Administrative expenses		60,756.00	60,756.00		1,106,784.00	1,106,784.00
4 Transportation expenses		24,632.00	24,632.00		9,027.00	9,027.00
5 Repairs & Maintenance			-		142,275.00	142,275.00
6 Other expenses		298,306.00	298,306.00		1,449,354.00	1,449,354.00
<b>Total</b>	-	383,694.00	383,694.00	-	3,029,770.00	3,029,770.00

**SCHEDULE 23: GENERAL EXPENSES**

Amount in Rupees

	Particulars	CY 2020-21	CY 2019-20
	General Expenditure:		
	Staff Development Programme	2,779,834.00	13,838,223.00
	Stipend to Apprenticeship Trainees	204,581.00	227,708.00
	Stipend to Long Term Trainees		
	Building Maintenance (Plan)	2,185,417.00	9,293,949.00
	Development Expenses	3,258,565.00	4,030,413.00
	Development Expenses (Hindi Sahalkar)		
	GSI Mapping Tools		
	Membership Fees for Teaching Faculty		
	Furniture Maintenance		
	Periodicals	30,960.00	70,402.00
	Printing & Stationery	264,216.00	258,992.00
	Maintenance of Lab / Office Equipments	708,585.00	834,939.00
	Research Fellowship	-	167,742.00
	Community Polytechnics		
	Contingent Grant to Trainees		
	TA & DA National Conferences		
	Contingencies-Contractual Employment	-	5,719,576.00
	Remuneration to Guest Lecturers	446,000.00	1,252,300.00
	Fund transferred to NRC Project	-	-
	Development of Web Portal	135,187.00	89,013.00
	Review Committee Meeting		
	Consumbales for Lab	800.00	
	National Seminar		
	National Symposium		
	WIDDS		
	Course Fees Receivable		
	VNITTTTR Edusat		
	Web Charges	-	415.00
	Sports Fit India Activities	9,949.00	
	Inter Sports Meet	12,644.00	90,972.00
	Housekeeping Services	7,357,771.30	
	<b>TOTAL</b>	<b>17,394,509.30</b>	<b>35,874,644.00</b>

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

**SCHEDULE 24: Significant Accounting Policies**

1. The financial statements of the institution (viz. Balance sheet and Income and Expenditure account) have been prepared in the new format prescribed by MHRD.
2. A Statement of all significant accounting policies adopted in the preparation and presentation of the Balance Sheet and Income and Expenditure Account are included in the Balance Sheet.
3. This Institution is financed by the Government of India, Ministry of Education, receives grants and compiles the three sets of accounts with proper schedules for NITTT, OTC, Projects, SWAYAM Project, General Provident Fund and NPS separately.
  - Balance Sheet
  - Income and Expenditure Account
  - Receipts and Payments Accounts
4. Depreciation  
Depreciation is provided on written down value method as per rates specified in the Income Tax Act 1961.
5. Provision for Pension, Gratuity and Leave encashment based on actual basis. However, provision of the same through actuarial valuation basis is under process.
6. The value of land is not known as the State Government has not assigned the land to the Institute.

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

**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 31.03.2021 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 and Accounts of OTC, Project and SWAYAM are prepared on CASH basis.
7. The interest on deposits are accounted on accrual basis.
8. The Institute had made several corrections / adjustments entries during the year 2020-21 based on reconciliation. These items are pending for want of details for a long time. Details and impact of Reconciliation are enclosed in the ANNEXURE.

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI**  
**DETAILS OF RECONCILIATION OF THE OLD ITEMS IN BALANCE SHEET AS AT 31.03.2021**

Sl. No.	ITEM	JOURNAL ENTRY		AMOUNT (Rs.)		PARTICULARS
		DR	CR	DR	CR	
1	SCHEDULE 2 DESIGNATED/ENDOWMENT	PWD SCHEME	CORPUS FUND	279136.00	279136.00	IN OPERATIVE ACCOUNTS FOR LONG
	SCHEDULE 2 DESIGNATED/ENDOWMENT	AICTE SDP	CORPUS FUND	43100.00	43100.00	IN OPERATIVE ACCOUNTS FOR LONG
	SCHEDULE 2 DESIGNATED/ENDOWMENT	RAJIV GANDHI F/W	CORPUS FUND	24022.00	24022.00	IN OPERATIVE ACCOUNTS FOR LONG
2	SCHEDULE 3 EMD SD ETC. RECONCILED	EMD SD	MISC RECEIPTS			LAPSED DEPOSITS TAKEN TO RECEIPTS
3	SCHEDULE 3 SUNDRY CREDITORS	FOR GOODS & SERVICES	PRIOR PERIOD EXPENSES	81889.00	81889.00	IN OPERATIVE ACCOUNTS FOR LONG
		COF MOW EQUIPMENTS	PRIOR PERIOD EXPENSES	2731.00	2731.00	IN OPERATIVE ACCOUNTS FOR LONG
		TAMIL NADU BOOK HOUSE	PRIOR PERIOD EXPENSES	802849.00	802849.00	IN OPERATIVE ACCOUNTS FOR LONG
4	SCHEDULE 3 OTC	OTC Liability	Corpus Fund	3362518.00	3362518.00	TRANSFERRED TO CORPUS
5	SCHEDULE 3 PROJECT ACCOUNT 2013-14	NITTR IRG	Corpus Fund	8214248.00	8214248.00	TRANSFERRED TO CORPUS
6	PROJECT ACCOUNT LIABILITIES	PROJECT ACCOUNT	EXCESS OF INCOME			RECONCILED
7	CORPUS FUND	CORPUS FUND	Fixed Asset	1190000.00	1190000.00	TRANSFER
8	CORPUS FUND			104000.00	104000.00	TRANSFERRED TO CORPUS
9	GPF INTEREST ON SPECIAL DEPOSITS			438952.00		TRANSFERRED TO GPF
10	SWAYAM SPONSORED PROJECTS	SWAYAM LIABILITY	SWAYAM ASSETS	1524389.00	1550489.00	SET OFF LIABILITY AND ASSETS
11	MAIN DUTIES AND TAXES	MISC REVENUE RECEIPTS	DUTIES AND TAXES	224439.00	224439.00	IN OPERATIVE NO DETAILS
	OTC DUTIES AND TAXES	MISC REVENUE RECEIPTS	DUTIES AND TAXES	4877.00	4877.00	IN OPERATIVE NO DETAILS
12	PROPERTY TAX PAYABLE	PROPERTY TAX PAYABLE	PRIOR PERIOD EXP	130382.00	130382.00	LYING UNADJUSTED LONG TIME
13	SUNDRY DEBTORS	PRIOR PERIOD EXPENSES	SUNDRY DEBTORS	33240.00	33240.00	NO DETAILS LONG TIME
	SUNDRY DEBTORS- BRS			2644.00		NO DETAILS
14	POSTAGE			12287.00		CLOSING STOCK TAKEN
15	FESTIVAL ADVANCE	PRIOR PERIOD INCOME	FESTIVAL ADVANCE	144199.00	144199.00	RECONCILED
16	MEDICAL ADVANCE	PRIOR PERIOD INCOME	MEDICAL ADVANCE	13080.00	13080.00	RECONCILED
17	FLOOD ADVANCE	INTEREST ON COMP ADV	FLOOD ADVANCE	8400.00	8400.00	RECONCILED
		PRIOR PERIOD INCOME	FLOOD ADVANCE	3800.00	3800.00	RECONCILED

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI**  
**DETAILS OF RECONCILIATION OF THE OLD ITEMS IN BALANCE SHEET AS AT 31.03.2021**

Sl. No.	ITEM	JOURNAL ENTRY		AMOUNT (Rs.)		PARTICULARS
		DR	CR	DR	CR	
18	PERSONS WITH DISABILITIES			13893.00	13893.00	IN OPERATIVE LONG TIME
19	LOAN ACCOUNT PF			50000.00	50000.00	SET OFF
20	LTC ADVANCE			36800.00	36800.00	RECONCILED
				8103.00	8103.00	RECONCILED
				4450.00	4450.00	RECONCILED
21	HBA					RECONCILED
22	ADVANCE TO STAFF OTHERS			9237.00	9237.00	RECONCILED
23	ENTRENEURSHIP PROG			259936.00		RECONCILED
24	OTHERS ADVANCES			53258.00	53258.00	RECONCILED
				38984.00	38984.00	RECONCILED
25	UNESCO PROGRAMME			85562.00	85562.00	CORRECTLY DONE NOW
26	SWAYAM			1524389.00	1550409.00	SET OFF
27	ICT			81545.00	81545.00	RECONCILED
28	NATIONAL WORKSHOP ON KOHA			33228.00	33228.00	RECONCILED
29	INCOME RECEIVABLE			98957.00	98957.00	LC CLOSED AND RECEIVED
30	INCOME RECEIVABLE PROJECT			98957.00	98957.00	LC CLOSED AND RECEIVED
31	TNHD			8750.00	8750.00	RECONCILED
32	DST JSPS (Japan Project)			257747.00	257747.00	RECONCILED
33	COMPUTER ADVANCE					RECONCILED
34	CONVEYANCE ADVANCE					RECONCILED
35	SECURITY DEPOSIT			27933.00	27933.00	RECONCILED
36	DST Training Programme			94872.00	94872.00	TRANSFERRED CORRECTLY NOW
37	CPSC			52246.00	52246.00	RECONCILED
38	GPF					RECONCILED
39	GSLIS					RECONCILED



**UTILIZATION CERTIFICATE**

UTILIZATION CERTIFICATE FOR THE YEAR 2020-21  
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.2222.69 lakh |
| (ii)  | Unadjusted Advances | - | Rs.18.71 lakh   |
| (iii) | Total               | - | Rs.2241.40 lakh |
- (Cash in Hand / Bank includes Grants receivable – Rs.400.00 lakh)

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)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
2241.40	*	NIL	Enclosed in the Annexure		3055.00	5296.40	3167.81	2128.59

\* Interest earned is for the entire funds of the Institute and the Interest earned in respect of the Grant-in-aid cannot be demarcated and hence not indicated

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
1243.80	854.33 (CPWD Refund of Rs.299.61 lakh adjusted)	1069.68	3167.81

Details of grants position at the end of the year

- |       |                     |   |                 |
|-------|---------------------|---|-----------------|
| (i)   | Cash in Hand / Bank | - | Rs.2532.24 lakh |
| (ii)  | Unadjusted Advances | - | NIL             |
| (iii) | Total               | - | Rs.2532.24 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: August 26, 2021  
Place: Chennai-600113

[Prof. USHA NATESAN]  
DIRECTOR

**Details of Grant-in-aid received during the year 2020-21**

[Rupees in Lakh]

<b>GiA released</b>	<b>OH 31 General</b>	<b>OH 35 Capital Assets</b>	<b>OH 36 Salaries</b>	<b>Total</b>
April 2020 to March 2021	1727.00	200.00	1128.00	<b>3055.00</b>

**OH-31 (GENERAL)**

<b>Sanction No.</b>	<b>Sanction Date</b>	<b>Amount (Rs.)</b>	<b>OH</b>	<b>Sub Head</b>	<b>Received Date</b>
F. No. 5-2/2020-TS.IV	27-04-2020	5000000.00	<b>31</b>	<b>ST</b>	30/04/2020
F. No. 5-2/2020-TS.IV	27-04-2020	2566666.00	<b>31</b>	<b>SC</b>	30/04/2020
F. No. 5-2/2020-TS.IV	08-05-2020	7566667.00	<b>31</b>	<b>SC</b>	14/05/2020
F. No. 5-2/2020-TS.IV	08-06-2020	366667.00	<b>31</b>	<b>SC</b>	16/06/2020
F. No. 5-2/2020-TS.IV	08-06-2020	7200000.00	<b>31</b>	<b>Gen</b>	19/06/2020
F. No. 5-2/2020-TS.IV	15-07-2020	10000000.00	<b>31</b>	<b>Gen</b>	21/07/2020
F. No. 5-2/2020-TS.IV	06-08-2020	10000000.00	<b>31</b>	<b>Gen</b>	12/08/2020
F. No. 5-2/2020-TS.IV	03-09-2020	10000000.00	<b>31</b>	<b>Gen</b>	16/09/2020
F. No. 5-2/2020-TS.IV	23-09-2020	10000000.00	<b>31</b>	<b>Gen</b>	01/10/2020
F. No. 5-2/2020-TS.IV	09-11-2020	10000000.00	<b>31</b>	<b>Gen</b>	18/11/2020
F. No. 5-2/2020-TS.IV	04-12-2020	10000000.00	<b>31</b>	<b>Gen</b>	14/12/2020
F. No. 5-2/2020-TS.IV	22-12-2020	40000000.00	<b>31</b>	<b>Gen</b>	01/01/2021
F. No. 5-2/2020-TS.IV	01-02-2021	24500000.00	<b>31</b>	<b>Gen</b>	11/02/2021
F. No. 5-2/2020-TS.IV	01-02-2021	500000.00	<b>31</b>	<b>ST</b>	09/02/2021
F. No. 5-2/2020-TS.IV	03-03-2021	500000.00	<b>31</b>	<b>ST</b>	11/03/2021
F. No. 5-2/2020-TS.IV	03-03-2021	24500000.00	<b>31</b>	<b>Gen</b>	16/03/2021
		<b>172700000.00</b>			

**172700000.00**

**OH-35 (CAPITAL ASSETS)**

Sanction No.	Sanction Date	Amount (Rs.)	OH	Sub Head	Received Date
F. No. 5-2/2020-TS.IV	09-11-2020	1000000.00	35	SC	16/11/2020
F. No. 5-2/2020-TS.IV	09-11-2020	4000000.00	35	ST	16/11/2020
F. No. 5-2/2020-TS.IV	04-12-2020	5000000.00	35	SC	21/12/2020
F. No. 5-2/2020-TS.IV	18-03-2021	10000000.00	35	Gen	25/03/2021

**20000000.00**

**OH-36 (SALARIES)**

Sanction No.	Sanction Date	Amount (Rs.)	OH	Sub Head	Received Date
F. No. 5-2/2020-TS.IV	27-04-2020	4000000.00	36	ST	30/04/2020
F. No. 5-2/2020-TS.IV	27-04-2020	1933334.00	36	SC	30/04/2020
F. No. 5-2/2020-TS.IV	08-05-2020	5933333.00	36	SC	11/05/2020
F. No. 5-2/2020-TS.IV	08-06-2020	1133333.00	36	SC	16/06/2020
F. No. 5-2/2020-TS.IV	08-06-2020	4800000.00	36	Gen	16/06/2020
F. No. 5-2/2020-TS.IV	15-07-2020	6666667.00	36	Gen	21/07/2020
F. No. 5-2/2020-TS.IV	06-08-2020	6666668.00	36	Gen	12/08/2020
F. No. 5-2/2020-TS.IV	03-09-2020	6666665.00	36	Gen	16/09/2020
F. No. 5-2/2020-TS.IV	09-11-2020	12500000.00	36	Gen	16/11/2020
F. No. 5-2/2020-TS.IV	04-12-2020	12500000.00	36	Gen	14/12/2020
F. No. 5-2/2020-TS.IV	22-12-2020	30000000.00	36	Gen	01/01/2021
F. No. 5-2/2020-TS.IV	01-02-2021	10000000.00	36	Gen	11/02/2021
F. No. 5-2/2020-TS.IV	03-03-2021	10000000.00	36	SC	16/03/2021

**112800000.00**

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

**RECEIPTS AND PAYMENTS ACCOUNT**

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2020-21

		Amount in Rupees			
RECEIPTS	Current Year 2020-21	Previous Year 2019-20	PAYMENTS	Current Year 2020-21	Previous Year 2019-20
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash Balances	-	68,667.00	a) Establishment Expenses	126,950,409.00	162,906,735.00
b) Bank Balance			b) Academic Expenses	513,874.00	
i) In Current Amounts			c) Administrative Expenses	5,494,780.04	10,011,163.04
ii) In Deposit Accounts			d) Transportation Expenses	121,654.00	176,413.00
iii) Savings Accounts	182,305,710.13	28,078,757.82	e) Repairs & Maintenance	1,247,685.00	2,467,546.00
			f) Prior period expenses		
<b>II. Grants Received</b>			<b>II. Payments against Earmarked/Endowment Funds</b>		
b) From Central Government					
for Revenue Expenditure	325,500,000.00	305,263,000.00			
for Capital Expenditure	20,000,000.00	115,000,000.00			
a) From State Government					
c) From other sources - Grants Receivable	-	-			
(Grants for capital & revenue exp/ to be shown separately, if available)					
<b>III. Academic Receipts</b>	1,038,450.00	680,000.00	<b>III. Payments against Sponsored Projects/Schemes</b>	-	682,881.00
IV. Receipts against Earmarked/Endowment Funds/Corpus fund	-	-	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		1,681,998.00			
l) Training of Trainers		78,748.00			
m) Workshop Embedded Systems		80,000.00			
n) Workshop on PLC & SCAD		53,000.00			
o) Workshop on WPRJP		88,500.00			

VI. Receipts against sponsored Fellowships/ Scholarship					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	7,216,595.00	18,897,090.00
b) Other investments SDR Interest					VIII. General Expenditure	5,094,844.00	44,481,891.00
VIII. Interest received on					VIII. Other Payments including statutory payments	12,966,697.00	
a) Bank Deposits	2,399,147.00				Outstanding Expenses, TDS & Service Tax etc.,		
b) Loans and Advances	31,985,416.72				IDDS Corpus fund Contribution		
c) Savings Bank Accounts	7,079,019.95			1,136,557.70	IX. Refunds of Grants		
IX. Sundry Debtors	3,000.00				X. Deposits and Advances		
X. Term Deposits with Scheduled Banks encashed					Deposits with CPWD	99,121,431.00	16,839,839.00
Fund Transferred from other Banks					Deposits Refund	-	81,901.00
					Deposit Others		
					Other Advances	6,192,071.00	
XI. Other income (including Prior Period Income)					XI. Other Payments/Liabilities		
i) Duties and Taxes TDS, Service Tax etc	34,667.00			-	ij) Sundry Creditors	37,871,925.00	-
ii) sale of Books and CDs	166,118.00				ii) Duties and Taxes	33,527,491.00	20,639,899.00
XII. Deposits and Advances					iii) Others: OTC Payments	8,214,248.00	
i) Other ; Refund					iv) Others: Corpus Fund	104,000.00	701,478.00
ii) Other Deposits	2,395,750.00			551,240.40	XII. Closing balances		
iii) Other Receipts:					a) Cash in hand		
OTC					b) Bank balances		
GPF Special Deposit Interest				222,965.00	In Current Accounts		
Guest House Room Rent Etc. Incl. Prior Period Income	23,876,450.78			5,903,036.00	In Savings Accounts	253,223,634.65	182,268,758.96
Royalty	66,413.54			88,772.96	In Deposit Accounts		
XIII. Misc Receipts including Statutory Receipts					Inoperative SB Accounts(*2)		32,325.57
XIV. Any Other Receipts	1,011,195.57			1,212,677.69			
<b>TOTAL</b>	<b>597,861,338.69</b>			<b>460,187,920.57</b>	<b>TOTAL</b>	<b>597,861,338.69</b>	<b>460,187,920.57</b>

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

**GPF ACCOUNT**



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

PROVIDENT FUND ACCOUNT  
BALANCE SHEET AS AT MARCH 31, 2021

Liabilities	Amount in Rupees		
	2020-21	2019-20	2020-21
<b>GPF</b>			
Opening Balance	34,963,501.76	32,608,915.76	-
Add: Subscriptions in the year	(5,974,900.76)	8,849,503.00	-
Add: Interest Credited	12,969,304.00	2,002,544.00	6,816.00
	41,957,905.00	43,460,962.76	
Less: Advance/withdrawal/Part Final	5,865,904.00	8,497,461.00	
Closing Balance <u>GPF</u>	36,092,001.00	34,963,501.76	4,165,810.30
Unclaimed Balance	-	11,170.00	
Employers Contribution	-	(231,862.00)	
Opening Balance	-	3,286.45	
Add: Subscriptions in the year			9,894,468.71
Add: Interest Credited			149,207.00
Less: Advance/withdrawal/Part Final			35,425,125.00
NPS Contra	-	1,469,721.00	
Closing Balance			500,914.91
			438,952.00
			37,577,125.00
<u>Interest Reserve</u>			
Opening Balance	6,473,801.00	7,502,028.60	
Add: Opening Balance Adjustments	3,054,589.91		
Less: Excess of expenditure over Income	(151,591.20)	(1,028,227.60)	
Closing Balance			
<b>Total</b>	<b>45,468,800.71</b>	<b>42,689,618.21</b>	<b>45,468,800.71</b>
		<b>Total</b>	<b>42,689,618.21</b>

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

**PROVIDENT FUND ACCOUNT  
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021**

Expenditure	Amount in Rupees		
	2020-21	2019-20	Income
Interest Credited to:			
GPF Account			Interest earned on Investment
CPF Account			SDR Interest
University Contribution (CPF)			Interest on FD
NPSTier-II Account			SB Interest
			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
Interest on subscription	2,276,631.00	2,002,544.00	
Bank charges	47.20	82.60	
Excess of Income over Expenditure	(151,591.20)	(1,028,227.60)	
<b>Total</b>	<b>2,125,087.00</b>	<b>974,399.00</b>	<b>Total</b>
			2020-21
			2019-20
			96,296.00
			52,911.00
			1,771,165.00
			535,447.00
			438,952.00
			204,715.00
			2,125,087.00
			974,399.00

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

**PROVIDENT FUND ACCOUNT**  
**RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2020-21**

Receipts	2020-21	2019-20	Payments	2020-21	2019-20
Opening Balance IOB	500,914.91	31,765,508.51	GPF Adv./Withdrawal/Part Final	4,773,240.00	2,131,261.00
FIXED DEPOSIT:	37,577,125.00	5,425,125.00	GPF Final Settlement	-	5,849,000.00
IOB SPECIAL DEPOSIT			Bank charges	47.20	82.60
SBI SPECIAL DEPOSIT			P/F Advance	1,092,664.00	517,200.00
IOB FIXED DEPOSIT					
IOB PF	-	-			
SBI, Branch- 1					
SBI, Branch -II					
GPF Subscription	10,692,673.00	8,849,503.00	Investment during the year		
CPF Subscription			<u>Closing Balance:-</u>		
CPF University Contribution			FD	35,425,125.00	37,577,125.00
FFD Sweep			IOB	9,894,468.71	500,914.91
NPSTier-II Account					
PF FD INTEREST	204,715.00				
SPECIAL DEPOSIT INTEREST	2,210,117.00	535,447.00			
SB NORMAL INTEREST					
<b>Total</b>	<b>51,185,544.91</b>	<b>46,575,583.51</b>	<b>Total</b>	<b>51,185,544.91</b>	<b>46,575,583.51</b>

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

**NPS ACCOUNT**

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

**NPS TIER-I ACCOUNT**  
**BALANCE SHEET AS AT MARCH 31, 2021**

	Amount in Rupees			
Liabilities	2020-21	2019-20	2020-21	2019-20
NPS Tier-I Account				
Opening Balance	2,888,936.68	2,309,937.00		
Less: NSDL Remit	5,635,933.00	3,956,538.00		
	(2,746,996.32)	(1,646,601.00)		
Add: Subscription	1,789,437.00	1,977,701.00		
Add: Contribution	2,679,778.00	2,543,001.00		
Less: Adjustments	1,722,218.68	2,874,101.00		1,469,721.00
	1,768,907.28			1,419,215.68
	(46,688.60)			
Add: Sub+UC for March				
Excess of Income over Expenditure	46,688.60	14,835.68		
Balance as on 01.04				-
Add: During the year				
<b>Total</b>	<b>(0.00)</b>	<b>2,888,936.68</b>	<b>-</b>	<b>2,888,936.68</b>

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

**NPS TIER-I ACCOUNT**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021**

Expenditure	Amount in Rupees			
	2020-21	2019-20	2020-21	2019-20
Bank Charges	448.40			15,159.00
Excess of Income over Expenditure	46,688.60	323.32 14,835.68	47,137.00	-
<b>Total</b>	<b>47,137.00</b>	<b>15,159.00</b>	<b>47,137.00</b>	<b>15,159.00</b>
			<b>Income</b>	
			Normal Interest Contribution	

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

NPS TIER- I ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2020-21

Receipts	Amount in Rupees				
	2020-21	2019-20	Payments	2020-21	2019-20
Opening Balance as on 1/04	1,419,215.68	492,679.00	Investment	5,635,933.00	3,956,538.00
NPS Tier-I Account			Withdrawal / Refund to NSDL	448.40	323.32
Own Subscription		1,977,701.00	Bank Charges	299186.28	
University Contribution		2,890,538.00	Current Liabilities		
Employees Subscription	1,789,437.00				
Employer Contribution	2,679,778.00				
Interest on Saving Bank A/C	47,137.00	15,159.00	Closing Balance	-	1,419,215.68
<b>TOTAL</b>	<b>5,935,567.68</b>	<b>5,376,077.00</b>	<b>TOTAL</b>	<b>5,935,567.68</b>	<b>5,376,077.00</b>

**NATIONAL INSTITUTE OF  
TECHNICAL TEACHERS TRAINING AND RESEARCH  
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 31.03.2021**

		Amount in Rupees			
LIABILITIES	Current Year 2020-21	Previous Year 2019-20	ASSETS	Current Year 2020-21	Previous Year 2019-20
CAPITAL FUND:			DEPOSITS:		
Less Transfer to Corpus Fund	142,705,571.00	129,624,567.00	SDR		
Less Capital Fund Adjustments	(125,480,015.00)		LOANS & ADVANCES		
Add: Excess	(2,919,985.00)	13,081,004.00	Temporary Advances	1,185,157.00	1,330,190.00
Duties and Taxes	29,720,347.00	142,705,571.00	TDS		
Sundry Creditors	-	6,513.00	NITTR Contribution		2,919,985.00
	-	117,348.00	Auto Sweepout FD		96,397,240.00
			Closing Balance		
			Cash in Hand		
			Canara Bank	27,967,148.00	11,204,591.00
			Axis Bank	568,042.00	30,977,426.00
<b>TOTAL</b>	<b>29,720,347.00</b>	<b>142,829,432.00</b>	<b>TOTAL</b>	<b>29,720,347.00</b>	<b>142,829,432.00</b>

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

**Overseas Training Course (OTC)**

**Income & Expenditure Account for the year ended 31.03.2021**

	Amount in Rupees				
EXPENDITURE	2020-21	2019-20	INCOME	2020-21	2019-20
Books & Periodicals			OTC-Grants	7,155,350.00	35,146,451.00
OTC Expenses	1738145.00	9314477.00	Project Receipts		
Sundry Creditors			Interest Bank	18,979,511.00	2004907.00
LIVING allowance	0.00	5746700.00	Prior Period Income	122225.00	
Misc Expenditure			Accrued Interest		
Guest House Expenses	9103488.00	8891310.00			
Bank charges	677.00	43367.00			
Project Allowance					
SDEM Batch					
Book allowance					
Travelling & Conveyance	0.00	500.00			
Remuneration to Guest Faculties	0.00	74000.00			
Excess of Income over Expenditure	15414776.00	13081004.00			
<b>Total</b>	<b>26257086.00</b>	<b>37151358.00</b>	<b>Total</b>	<b>26257086.00</b>	<b>37151358.00</b>

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

**Overseas Training Course (OTC)  
Receipts & Payments Account for the Financial Year 2020-21**

		Amount in Rupees			
RECEIPTS	2020-21	2019-20	PAYMENTS	2020-21	2019-20
OPENING BALANCE:					
AXIS BANK	30,977,426.00	29,783,790.00	Duties & Taxes	889,586.00	18,523.00
CANARA BANK	11,204,591.00	63,731,470.00	Vehicle & Food Expenses	140,479.00	1,143,525.00
FD Auto Sweepout	96,397,240.00	30,585,109.00	Temporary Advance	-	1,330,190.00
Cash	-	2,728,446.00	OTC Expenses	1,596,247.00	8,165,801.00
			Travelling & Conveyance	-	500.00
OTC Grant Receipts	6,856,724.00	35,146,451.00	Book Allowance		
Duties & Taxes			Project Allowance		
OTC Project Receipts			Misc Expenses	-	2,000.00
SB Interest AXIS			CDIMD XXXII		
SB Interest Canara Bank	7,790,019.00		Room Rent		
SDR Interest AXIS	1,090,616.00	1,193,636.00	Guest House Expenses	9,103,488.00	8,891,310.00
SDR Interest Canara Bank	1,024,299.00	811,271.00	Living Allowance	-	5,746,700.00
Misc Receipts		6,400.00	Bank Charges	677.00	43,367.00
FFD	9,074,577.00		Sundry Creditors	-	-
Temporary Advance	1,330,190.00		FD: Auto Sweepout	-	65,400.00
			Guest Lecture Reimbursements	-	
			Capital Fund	125,480,015.00	
			CLOSING BALANCE		
			AXIS BANK	568,042.00	30,977,426.00
			CANARA BANK	27,967,148.00	11,204,591.00
			FD Auto Sweepout	-	96,397,240.00
			Cash		
<b>Total</b>	<b>165745682.00</b>	<b>163986573.00</b>	<b>Total</b>	<b>165745682.00</b>	<b>163986573.00</b>

**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 31.03.2021

LIABILITIES	Amount in Rupees		
	2020-21	2019-20	2019-20
Project Fund: Opening	(398,128.00)	(1,314,114.00)	19,312,000.00
Add: Excess of Income over Expenditure	3,190,696.12	915,986.00	98,956.57
	2,792,568.12	(398,128.00)	218,698.00
<b>PROJECT CLOSING BALANCES</b>			
FY 2009-10	1,013,032.43	999,032.00	
FY 2010-11	2,538,446.00	2,411,197.00	
FY 2011-12	1,238,206.00	3,367,880.00	
FY 2012-13	304,711.00	304,711.00	
FY 2013-14	395,006.00	395,006.00	
FY 2014-15	631,249.00	707,010.00	
FY 2017-18	130,907.00	(120,185.00)	
FY 2018-19	15,060,017.00	10,106,533.00	
FY 2019-20	349,998.00	1,903,581.00	
FY 2020-21	457,204.00		
Duties and Taxes	87,084.00	4,033.00	
<b>Total</b>	<b>24,998,428.55</b>	<b>19,680,670.00</b>	<b>19,680,670.00</b>
		<b>Total</b>	<b>24,998,428.55</b>
			<b>51,015.43</b>
			<b>24,998,428.55</b>
			<b>19,680,670.00</b>

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

**PROJECT ACCOUNT**

**Income & Expenditure Account for the year ended 31.03.2021**

	Amount in Rupees				
	2020-21	2019-20	INCOME	2020-21	2019-20
<b>EXPENDITURE</b>					
Bank Charges	18.88		Project Balance Adjustments	2029416.57	-
Prior Period Expenses	6617.00		SDR Interest	69393.43	
			SB Interest	1098522.00	830467.87
Excess of Income Over expenditure	3190696.12	915985.87	Prior Period Income		85518.00
			Excess of Expenditure Over Income		
<b>Total</b>	<b>3197332.00</b>	<b>915985.87</b>	<b>Total</b>	<b>3197332.00</b>	<b>915985.87</b>

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

**PROJECT ACCOUNT**

**Receipts & Payments Account for the Financial Year 2020-21**

		Amount in Rupees			
RECEIPTS	2020-21	2019-20	PAYMENTS	2020-21	2019-20
OPENING BALANCE:					
Cash at Bank	51,015.43	25,187.43	Projects		
Cash in Hand			FY 2011-2012 Projects	39,000.00	
FFD	19,312,000.00		FY 2019-20	50,002.00	
FFD Withdrawals		11,672,000.00	FFD Deposits		3,452.00
			Duties and Taxes	8,097.00	
Project Income			Project Expenses		720,821.00
LC Project	168,350.00		Bank Charges	18.88	
SDR Interest			Temporary Advance		185,330.00
SB Interest	1,098,522.00		Sundry Creditors	95,948.00	
Prior Period Income			Travelling Expenses		10,317.00
Miscellaneous Deposits			Guest Lecture Remuneration		9,000.00
Temporary Advances	218,698.00		Miscellaneous Deposits		500,000.00
Current Assets			Prior Period Expenses	6,617.00	
Duties & Taxes	86,940.00		CLOSING BALANCE:		
FY 2017-18	251,092.00		Cash in Hand		
FY 2018-19	3,544,541.00		Cash at Bank	24,998,428.55	51,015.43
FY 2020-21	466,953.00		FFD Deposit	-	19,312,000.00
<b>Total</b>	<b>25,198,111.43</b>	<b>20,791,935.43</b>	<b>Total</b>	<b>25,198,111.43</b>	<b>20,791,935.43</b>

**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 31.03.2021

LIABILITIES		Amount in Rupees				
		2020-21	2019-20	ASSETS	2020-21	2019-20
CAPITAL FUND	Transferred from OTC Fund (net)	3,810,526.30	3,223,140.00	Laptop to Faculty Member	649,407.00	811,759.00
		125,480,015.00	-			
	Add: Excess of Income over Expenditure	129,290,541.30	3,223,140.00	FD IOB Corpus 30101 Cash at Bank	98,500,000.00	-
		12,053,934.38	587,386.30		42,195,068.68	2,998,767.30
<b>Total</b>		<b>141,344,475.68</b>	<b>3,810,526.30</b>	<b>Total</b>	<b>141,344,475.68</b>	<b>3,810,526.30</b>

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

**CORPUS FUND ACCOUNT**

**Income & Expenditure Account for the year ended 31.03.2021**

	Amount in Rupees				
	2020-21	2019-20	INCOME	2020-21	2019-20
<b>EXPENDITURE</b>					
Depreciation	162,352.00	202,940.00	Corpus Fund	12,027,054.00	-
Bank Charges	128.62	-	Corpus Fund 30%	2,161.00	-
Laptop Service	49765.00	-	IDDS Corpus fund 10%	-	701,478.00
Excess of Income over expenditure	12,053,934.38	587,404.00	Normal Interest	236,965.00	88,866.00
<b>Total</b>	<b>12,266,180.00</b>	<b>790,344.00</b>	<b>Total</b>	<b>12,266,180.00</b>	<b>790,344.00</b>

	2019-20	2020-21	2019-20	2020-21
	Rs	Rs	Rs	Rs
Gross Block				
Op.Balance	1014699.00	811759.00	Op.Balance	162,351.80
Additions	0.00	0.00	Additions After Sep-19	0
<b>Total</b>	<b>1014699.00</b>	<b>811759.00</b>		<b>162,351.80</b>
Deductions	0.00	0.00		<b>162,351.80</b>
	1014699.00	811759.00		
Rate	0.20	0.20		
Depreciation	202940.00	162352.00		
Net Balance	811759.00	649407.00		

depreciation for laptop @ 20%

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

**CORPUS FUND ACCOUNT**  
Receipts & Payments Account for the Financial Year 2020-21

	Amount in Rupees				
	2020-21	2019-20	PAYMENTS	2020-21	2019-20
<b>RECEIPTS</b>					
<b>OPENING BALANCE:</b>					
Cash at Bank	2,998,767.30	2,208,441.00	Laptop Service	49,765.00	-
Capital Fund	125,480,015.00	-	Bank Charges	128.62	17.70
Corpus Fund	12,027,054.00	-			
Corpus Fund 30%	2,161.00	-			
IDDS Corpus fund 10%	-	701,478.00	<b>CLOSING BALANCE:</b>		
Normal Interest	236,965.00	88,866.00	Cash at Bank	140,695,068.68	2,998,767.30
<b>Total</b>	<b>140,744,962.30</b>	<b>2,998,785.00</b>	<b>Total</b>	<b>140,744,962.30</b>	<b>2,998,785.00</b>

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

**SWAYAM ACCOUNT**

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

**SWAYAM ACCOUNT**  
**BALANCE SHEET AS AT MARCH 31, 2021**

Liabilities	Amount in Rupees			
	2020-21	2019-20	Assets	2020-21
Opening Balance			Equipments	413,042.00
Add: Excess of Income over Expenditure-FY-19-20		41,191,720.00	Balance at Bank	15,377,785.00
		(13,363,254.00)		
Swayam Capacity Building Workshop - I				
Less: Expenditure	(217,482.00)	(85,705.00)		
(Board & Lodging, General Expenses, Honorarium & TA)	-			
TA payable (NEFT Return)		34,667.00		
Swayam Capacity Building Workshop - II				
Less: Expenditure	592,228.00	592,228.00		
(Board & Lodging, General Expenses, Honorarium & TA)	-			
<b>Total</b>	<b>15,790,827.00</b>	<b>28,369,656.00</b>	<b>Total</b>	<b>15,790,827.00</b>
				<b>28,369,656.00</b>

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

**SWAYAM ACCOUNT**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021**

Expenditure	Amount in Rupees				
	2020-21	2019-20	Income	2020-21	2019-20
Project Expenses					
Project Expenses - NRC	-	109,507.00	NRC - Grants		
Remuneration Paid	31,935.00	1,151,733.00	SB Interest	688,387.00	1,301,651.00
Travelling expenses	-	227,187.00	Excess Depreciation withdrawn		
Honorarium Paid			Misc Receipts	44795	
Duties & Taxes					
General Expenses	31,019.00	72,673.00	Excess of Expenditure over income	12,412,385.00	13,363,254.00
Workshop					
Misc Expenses	-	552.00			
Depreciation	72,890.00	85,753.00			
NRC Grant Refund	-	1,470,000.00			
Project Expenses-Swayam MOOC (Transferred to NITTRs)	13,009,723.00	11,547,500.00			
<b>Total</b>	<b>13,145,567.00</b>	<b>14,664,905.00</b>	<b>Total</b>	<b>13,145,567.00</b>	<b>14,664,905.00</b>

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

**SWAYAM ACCOUNT**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2020-21**

	Amount in Rupees				
Receipts	2020-21	2019-20	Payments	2020-21	2019-20
Cash in Hand	-	18,000.00	Project Expenses		109,507.00
Cash at Bank	27,883,724.00	40,656,393.00	Duties and Taxes		249.00
			Remuneration Paid	31,935.00	1,151,733.00
Swayam MHRD - GRANTS (Capacity Building Workshops)		1,500,000.00	Travelling expenses		202,315.00
NRC - Grants			Honorarium Paid		
NRC-II			General Expenses	31,019.00	72,673.00
Swayam CB Workshop II - TA (NEFT Return)		1,470,000.00	Vendor Payments		24,623.00
		34,667.00	Swayam Capacity Building Workshop - I (Board & Lodging, General Expenses, Honorarium & TA)		585,705.00
			Swayam Capacity Building Workshop - II (Board & Lodging, General Expenses, Honorarium & TA)		407,772.00
SB Interest			TA Payable	34,667.00	
Misc Receipts	688,387.00	1,301,651.00	Misc Expenses	177.00	552.00
	44,972.00	-	Sundry Creditors		
			Fixed Assets		
			Equipments		54,358.00
			Swayam MOOC Project (Transferred to NITTRs)	13,141,500.00	11,547,500.00
			NRC - Grants		1,470,000.00
			NRC-II		1,470,000.00
			Cash in Hand		
			Cash at Bank	15,377,785.00	27,883,724.00
<b>TOTAL</b>	<b>28,617,083.00</b>	<b>44,980,711.00</b>	<b>TOTAL</b>	<b>28,617,083.00</b>	<b>44,980,711.00</b>

**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 31.03.2021

LIABILITIES	Amount in Rupees				
	2020-21	2019-20	ASSETS	2020-21	2019-20
Capital Fund	7,576,108.50	-	Bank Accounts	64,733,878.99	7,576,108.50
Add: Excess of Income over Expenditure	57,170,467.49	7,576,108.50	Refund of TDS overdue	12,697.00	-
<b>Total</b>	<b>64,746,575.99</b>	<b>7,576,108.50</b>	<b>Total</b>	<b>64,746,575.99</b>	<b>7,576,108.50</b>

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

NITTT WEB PORTAL ACCOUNT

Income & Expenditure Account for the year ended 31.03.2021

	Amount in Rupees				
	2020-21	2019-20	INCOME	2020-21	2019-20
<b>EXPENDITURE</b>					
Bank Charges	105.00	3,410.00	Course Fees	56,313,605.49	-
General Expenses	5900.00	-			
Remuneration	125000.00	-	Bank Interest	987,867.00	7,579,518.50
Excess of Income over expenditure	57,170,467.49	7,576,108.50			
<b>Total</b>	<b>57,301,472.49</b>	<b>7,579,518.50</b>	<b>Total</b>	<b>57,301,472.49</b>	<b>7,579,518.50</b>

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

NITTT WEB PORTAL ACCOUNT  
Receipts & Payments Account for the Financial Year 2020-21

	Amount in Rupees				
	2020-21	2019-20	PAYMENTS	2020-21	2019-20
<b>RECEIPTS</b>					
OPENING BALANCE:					
Cash at Bank	7,576,108.50	-	Bank Charges	105.00	3,410.00
			Remuneration	125,000.00	-
			General Expenses	5,900.00	-
			TDS on FD interest	12,697.00	-
Miscellaneous Revenue Receipts	56,313,605.49	7,579,518.50	Cash at Bank	64,733,878.99	7,576,108.50
Normal Interest	987,867.00	-			
<b>Total</b>	<b>64,877,580.99</b>	<b>7,579,518.50</b>	<b>Total</b>	<b>64,877,580.99</b>	<b>7,579,518.50</b>

**NATIONAL INSTITUTE OF  
TECHNICAL TEACHERS TRAINING AND RESEARCH  
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, 2021**

	Amount in Rupees				
	2020-21	2019-20	Assets	2020-21	2019-20
<b>Liabilities</b>					
Opening Balance					
Add: Excess of Income over Expenditure	128,394.78		Balance at Bank	128,394.78	
<b>Total</b>	<b>128,394.78</b>	-	<b>Total</b>	<b>128,394.78</b>	-

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

**NITT SWAYAM ACCOUNT**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021**

Expenditure	Amount in Rupees				
	2020-21	2019-20	Income	2020-21	2019-20
Professional Charges	59,000.00		Course Fees	186,000.00	
Bank Charges	388.22		SB Interest	1,783.00	
Excess of Income over Expenditure	128,394.78				
<b>Total</b>	<b>187,783.00</b>	-	<b>Total</b>	<b>187,783.00</b>	-

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

**NITTT SWAYAM ACCOUNT**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2020-21**

Receipts	Amount in Rupees		
	2020-21	2019-20	2020-21
Cash in Hand			
Cash at Bank			59,000.00 388.22
Course Fees	186,000.00		
SB Interest	1,783.00		
<b>TOTAL</b>	<b>187,783.00</b>	<b>-</b>	<b>187,783.00</b>
			<b>TOTAL</b>
			128,394.78
			<b>187,783.00</b>
			<b>-</b>



## CONTACT

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### THE DIRECTOR

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Taramani, Chennai - 600 113.

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