

# National Institute of Technical Teachers Training and Research, Chennai

An Autonomous Institute Under MHRD, Government of India



## ANNUAL REPORT **2018-19**

Promoting Excellence in Technical Education

# **ANNUAL REPORT**

**2018-19**

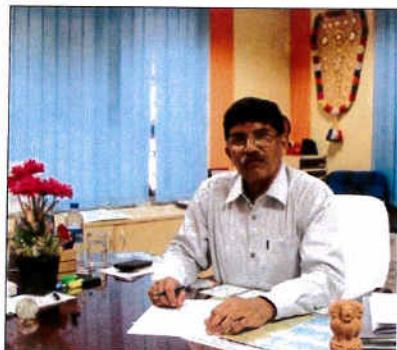
**(ENGLISH VERSION)**



**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 2018-19. 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, 2018-2019 represented another period of expansion and developmental activities of the institute. The following achievements were highlighted during this year:

- Direct contact mode of training of 2906 technical teachers from 142 courses for polytechnics and 1760 technical teachers from 41 engineering colleges;
- Direct contact mode of training of 351 teachers, policy makers and educational administrators from 59 countries through 16 Overseas Training Courses;
- Doctoral Degree awarded to 3 candidates;
- Development of 91 instructional resources (print type materials, lab manuals and videos)

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. Dr. Allam Appa Rao, 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 Human Resource Development, 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**

**T**he National Institute of Technical Teachers Training and Research (NITTTR) Chennai was established as an autonomous institute by the Ministry of Human Resource Development (MHRD), 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 client system, covering the entire gamut of technical education including engineering colleges, polytechnics and management education, at regional and national levels.
- ✓ To arrange for training of technical personnel in industries on a collaborative education plan.
- ✓ To undertake systemic research to provide inputs for the development of technical education training systems and their management.
- ✓ To undertake and guide research for development of innovative methods, processes and practices for improvement of teaching-learning environment in technical institutions.
- ✓ To design new instructional systems and strategies for production of multimedia learning materials.

- ✓ To develop and disseminate learning resources like textbooks, laboratory manuals, video programmes, computer assisted instructional multimedia packages to technical institutions and other organisations.
- ✓ To offer programmes for technical teachers in distance learning mode using state-of-the-art technologies.
- ✓ To offer courses / programmes for technical and vocational teachers to suit overseas demand especially from SAARC & ASEAN countries.
- ✓ To institute awards, fellowships, scholarships, prizes and medals.
- ✓ To collaborate with the community and industries in organizing continuing and non-formal vocational education programmes and providing extension and consultancy services.
- ✓ To undertake consultancy project for industry and technical institutions/organisations.
- ✓ To strengthen extension centres of the institute in different States with the approval of Govt. of India, 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 MHRD, 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 MHRD SWAYAM project. The NITTTR, Chennai is the national coordinator for this project.

### **3.0 FOCUS OF ACTIVITIES DURING 2018-2019**

The institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During the year 2018-2019, 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.

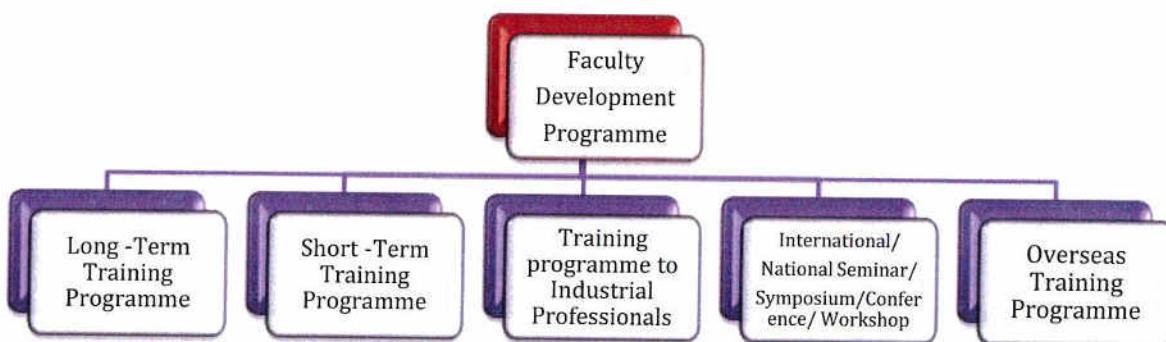


The institute focused on the following activities during the year 2018-2019:

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, accreditation, outcome based education, human resource development, student psychology, guidance and counselling, curriculum development and entrepreneurship development.
2. Conducting seminar/conference/symposium/workshop 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. Providing expertise to overseas participants through specially designed training programmes.
5. Developing curricula for new technical programmes and revising the curricula of existing programmes.
6. Developing/revising instructional resources (materials and media) needed for effective implementation of polytechnic and engineering college curricula.
7. Undertaking research and development projects relevant to technical education system.
8. Developing e-content on teacher education under SWAYAM platform.
9. 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 88 scholars have been awarded Ph.D. degree in Engineering Education under the University of Madras. As on date, 16 candidates are registered under University of Madras and 7 candidates are registered under Anna university. During this year, three scholars were awarded Ph.D. (Table 1) and one enrolled for Ph.D. in Engineering Education by the University of Madras, and four enrolled for Ph.D. in Civil Engineering by the Anna University.

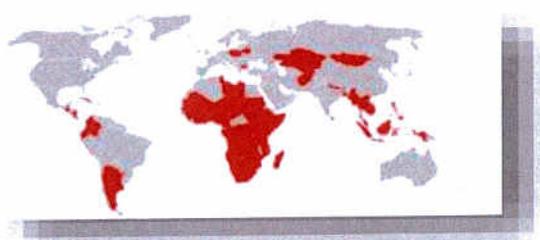
**Table 1: Ph.D. in Engineering Education by the University of Madras, 2018-2019**

S. No.	Name of the candidate & Full-Time/Part-Time	Title of the Thesis	Supervisor from NITTTR, Chennai	Date of Viva Voce
1.	Shri. S. Valliyappan Part-Time	Design and Evaluation of a Training Program for Enriching the Emotional Intelligence of Students of Engineering Colleges in Tamil Nadu State of India.	Dr. D. Brahadeeswaran Former Professor and Head, Department of Policy Planning & Educational Research.	10.05.2018
2.	Shri. K. Shamsuddin Part-Time	Efficacy of Training Programme in Improving Engineering Students Communication Skills, Leadership Skills and Managing Stress in Relation to Campus Recruitment.	Dr. R. Rajendran Associate Professor & Head i/c Centre for Educational Management and Applied Psychology	01.08.2018
3.	Shri. Sandeep Kumar Mohanty Part-Time	A Study on Training Intervention in Software Product Service Industry.	Dr. B. Mukhopadhyay Former Professor and Head, Department of Educational Management & Applied Psychology	23.10.2018

#### 4.1.2 OVERSEAS TRAINING COURSES (OTC)

During the year 2018-2019, the institute organized sixteen training programmes for the international trainees under the ITEC (Indian Technical & Economic Cooperation) schemes of the Ministry of External Affairs, Government of India; and Ministry of Education and Culture, Indonesia. Around 351 participants from 59 Countries (Table 2 & Table 3) attended the programme during this academic year.

The 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 37 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, 2018 – 2019**

Sl. No.	Title of the Course	Duration	Batch	No. of Participants 2018-2019	No. of participants trained since inception	No. of countries represented	Course Co-ordinator(s)
1.	Modem Library Practices	28.06.2018 to 18.09.2018	XI	23	249	11	Dr. R. Ravichandran
2.	Women Empowerment through TVET	22.08.2018 to 16.10.2018	XII	18	132	11	Dr. S. Renukadevi Dr. S. Rajasekar
3.	Educational Media Production for E-Learning	22.08.2018 to 16.10.2018	IV	20	80	13	Dr. P. Malliga Shri. Felix Arokiya Raj
4.	Curriculum Design and Instructional Materials Development	24.10.2018 to 18.12.2018	XXXVI I	22	663	19	Dr. R. Santhakumar Shri. D.V. Suryanarayana
5.	Design of Educational Applications using Web Technologies	24.10.2018 to 20.11.2018	II	28	44	19	Dr. V. Shanmughaneethi
6.	IT, Web Designing and Pedagogy	07.11.2018 to 29.12.2018	IV	40	156	1	Dr. G. Janardhanan
7.	Information and Communication Technology in Education and Training	26.12.2018 to 20.02.2019	VI	28	119	24	Dr. V. Shanmughaneethi
8.	Developing TVET to meet the Sustainable Development Goals of United Nations	26.12.2018 to 20.02.2019	I	23	23	18	Dr. G. Kulanthaivel
9.	Quality Assurance in Technical Education in Developing Countries	27.02.2019 to 27.03.2019	I	19	19	9	Dr. E.S.M. Suresh Dr. K.S.A DineshKumar
10.	Skill Development in Electronics for TVET Trainers and Planners	27.02.2019 to 27.03.2019	I	07	7	5	Dr. G. A. Rathy Dr. P. Sivasankar
11.	IT, Web Designing and Pedagogy	20.02.2019 to 16.04.2019	V	40	196	1	Dr. G. Janardhanan
12.	Electrical Installation Techniques	04.03.2019 to 29.03.2019	I	08	8	1	Dr. G. Kulanthaivel Dr. G. A. Rathy
13.	Roads, Bridges & Irrigation	04.03.2019 to 29.03.2019	I	08	8	1	Dr. K.S.A DineshKumar
14.	English Proficiency and Improvement in Communication Skills for Bhutan Nationals	29.03.2019 to 23.05.2019	I	20	20	1	Dr. S. Renukadevi
15.	English Communication Skills for Sudanese	29.03.2019 to 23.05.2019	I	23	23	1	Dr. R. Rajendran
16.	English Communication Skills for Afghan Nationals	29.03.2019 to 23.05.2019	I	24	24	1	Dr. K. S. Giridharan
<b>Total</b>				<b>351</b>	<b>1771</b>		

**Table 3: Enrolment by Nations, 2018-2019**

Countries	No. of Participants Attended	Countries	No. of Participants Attended	Countries	No. of Participants Attended
AFGHANISTAN	27	INDONESIA	17	OMAN	7
BANGLADESH	86	IRAQ	2	PHILIPPINES	2
BHUTAN	29	JAMAICA	1	SEYCHELLES	2
BOTSWANA	5	JORDAN	1	SIERRA LEONE	1
BURUNDI	1	KENYA	4	SUDAN	30
BULGARIA	1	KAZAKHSTAN	4	SOUTH AFRICA	1
CAMBODIA	6	KYRGYZSTAN	1	SOUTH SUDAN	2
CAPE VERDE ISLAND	1	LAOS	2	SRILANKA	8
COMOROS	2	LIBERIA	2	SWAZILAND	1
CAMEROON	2	MADAGASCAR	1	TRINIDAD & TOBACCO	2
COTE D'IVOIRE	2	MALAWI	1	TAJIKISTAN	3
CUBA	5	MALI	1	TANZANIA	13
EGYPT	1	MAURITIUS	9	TOGO	1
EL SALVADOR	1	MONGOLIA	5	TUNISIA	1
ETHIOPIA	4	MEXICO	3	UGANDA	7
FIJI	1	MYANMAR	3	UZBEKISTAN	2
GAMBIA	1	NAMIBIA	8	VIETNAM	3
GHANA	1	NEPAL	1	ZAMBIA	8
GUINEA	1	NIGER	3	ZIMBABWE	4
HONDARAS	1	NIGERIA	6		
<b>No. of Countries represented = 59</b>				<b>Total candidates</b>	<b>351</b>

### Highlights

- Sponsored by the Indian Technical and Economic Cooperation Scheme (ITEC) of the Ministry of External Affairs, Government of India.
- A total of 351 participants (teachers and administrators) from 59 countries
- Exposure to Indian culture and tradition through visits.
- 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.

**Photos: Overseas Training Courses, 2018 – 2019**



**Modern Library Practices**

**Women Empowerment Through TVET**



**Educational Media Production for E-Learning**

**Curriculum Design and Instructional Materials Development**



**Design of Educational Applications using Web Technologies**

**IT, Web Designing and Pedagogy**



**Information and Communication Technology in Education and Training**

**Developing TVET to meet the Sustainable Development Goals of United Nations**

**Photos: Overseas Training Courses, 2018 – 2019**



Quality Assurance in Technical Education in Developing Countries



Skill Development in Electronics for TVET Trainers and Planners



IT, Web Designing and Pedagogy



Electrical Installation Techniques



Roads, Bridges & Irrigation



English Proficiency and Improvement in Communication Skills for Bhutan Nationals



English Communication Skills for Sudanese



English Communication Skills for Afghan Nationals

## **4.2 SHORT-TERM TRAINING PROGRAMMES**

### **4.2.1 POLYTECHNIC COLLEGE PROGRAMMES**

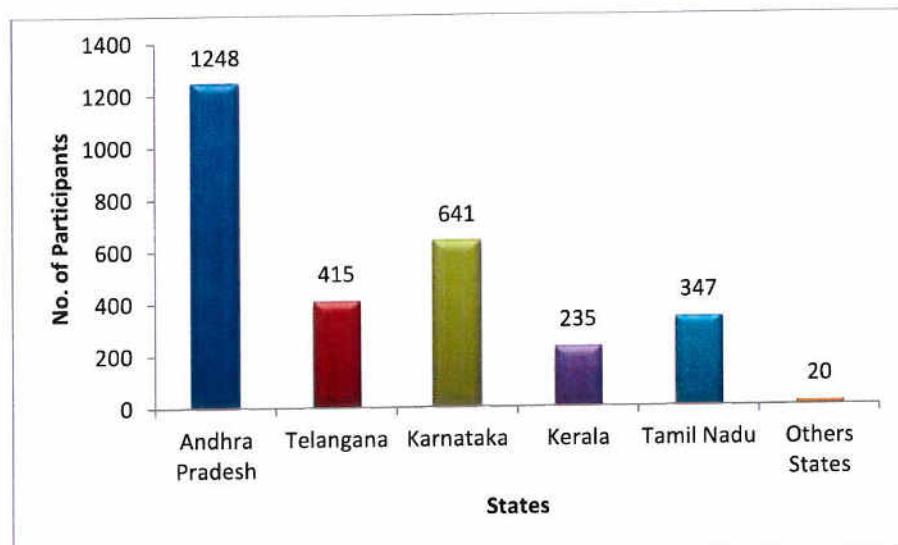
The institute continued to implement the Government of India's scheme of Quality Improvement Programme (QIP). The main objective of the scheme is to improve the competencies of a large number of technical teachers in a relatively short-period through short-term staff development courses of one to two weeks duration. Recognizing the need for technical teachers and other staff to enrich their knowledge and to keep themselves abreast with the latest technologies, the institute organised training courses of duration varying between one and two weeks. These training courses are continuously reviewed, modified and redesigned so that the ever expanding and changing needs of teachers are met.

The specific training need of the teachers of the polytechnics in each of the southern States were identified through need analysis survey carried out by our extension centres and the State Directorates of Technical Education. The course details, duration and venue were finalized in programme development committee meetings held on 29.01.2018, attended by the representatives of Directorates of Technical Education of the southern States. These meetings ensured that the courses planned, designed and conducted will cater the training needs of technical teachers of the southern region. These faculty development courses were organized at the institute headquarter in Chennai and its respective State extension centres located at Hyderabad, Vijayawada, Bengaluru and Kalamaserry. The participation of experts from industries and institutions of repute such as IITs and CSIR laboratories enriched the effectiveness of the training courses. Industrial visits formed an integral component of majority of the training courses.

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

- Content updating in Engineering and Technology
- Refresher Courses
- Induction Programme
- Personality Development
- Pedagogy Integrated Content Courses.
- Quality Assurance and Accreditation

The performance in the aforementioned areas during the year under report had been impressive as 142 courses were conducted involving a total of **2906** participants (Male: **1825**, Female: **1081**) from the polytechnics (Table- 4). State-wise distribution of polytechnic faculty trained during 2018-2019 is given in Fig 1. As on date, **80,081** technical teachers from polytechnic system have been trained through **4247** courses.



**Fig 1: Number of polytechnic faculty members trained during 2018-2019**

**Table 4: List of Polytechnic Teachers Training Programmes 2018-2019**

Sl. No.	TOPIC	Duration	No. of Weeks	No. of Participants
1.	Induction Programme	April 16 – 27, 2018	Two	42
2.	Refresher Course on Applied Chemistry	May 07 - 11, 2018	One	18
3.	Induction Programme	May 07 - 18, 2018	Two	60
4.	8051 Micro Controller and its' Applications	May 14 - 18, 2018	One	7
5.	Curriculum Revision Workshop for I & II Semester Content Development- Batch-1	May 15 - 19, 2018	One	59
6.	Curriculum Revision Workshop for I & II Semester Support Content Development- Batch-2	May 15 - 19, 2018	One	16
7.	VHDL Programming and Implementation in FPGA	May 21 - 25, 2018	One	16
8.	ARM Controller LPC 2148 and its' Interfacing	May 28 - June 01, 2018	One	10
9.	Computer Aided Design and Manufacturing	May 28 - June 08, 2018	Two	17
10.	Management of Polytechnics	May 28 - June 01, 2018	One	23
11.	PLC and SCADA	June 04 – 15, 2018	Two	31
12.	Applications in PLC	June 04 – 08, 2018	One	7
13.	Question Paper Authoring & Evaluation	June 04 – 08, 2018	One	19
14.	Induction Programme	June 04 – 15, 2018	Two	43
15.	Induction Programme	June 04 – 22, 2018	Two	32

Sl. No.	TOPIC	Duration	No. of Weeks	No. of Participants
16.	Advanced Applications in PLC	June 11 – 15, 2018	One	1
17.	Student Psychology	June 11 – 15, 2018	One	27
18.	Curriculum Revision Workshop for ECE, EEE, EIE & CME	June 11 – 15, 2018	One	41
19.	Data Communication and Networking	June 18 – 22, 2018	One	12
20.	Advances in Welding & Manufacturing Techniques	June 18 – 22, 2018	One	10
21.	Programming in C	June 18 – 22, 2018	One	12
22.	CNC Machines and Programming	June 25 – 29, 2018	One	10
23.	MATLAB & LabVIEW Programming	June 25 – July 06, 2018	Two	48
24.	MATLAB Programming	June 25 – 29, 2018	One	3
25.	NBA Accreditation Process	June 25 – 27, 2018	Three days	34
26.	Renewable Energy Sources	July 02 – 13, 2018	Two	29
27.	LabVIEW Programming	July 02 – 06, 2018	One	8
28.	Computer Applications in Project Management	July 02 – 06, 2018	One	12
29.	NBA Accreditation Based on OBE	July 16 – 27, 2018	Two	15
30.	Bio Energy, Environment & Rural Development	July 09 – 13, 2018	One	5
31.	Biomedical Electronics and Telemedicine	July 09 – 13, 2018	One	19
32.	Design of Bridges and Irrigation Structures	July 09 – 13, 2018	One	19
33.	Developing Professional Ethics, Values and Communication skills	July 09 – 13, 2018	One	21
34.	e-office and its applications	July 09 – 13, 2018	One	54
35.	Modern Power Transmission Systems & Protection	July 09 – 20, 2018	Two	14
36.	Electrical CAD and Microcontroller	July 16 – 27, 2018	Two	25
37.	Working with Electrical CAD	July 16 – 20, 2018	One	12
38.	Computer Hardware and Networking	July 16 – 20, 2018	One	14
39.	Advances in Manufacturing & Metrology	July 16 – 27, 2018	Two	23
40.	Advances in Casting & Welding	July 16 – 20, 2018	One	6
41.	NBA Accreditation Process	July 23 – 25, 2018	Three days	20
42.	Advanced Micro Processor & Micro Controller	July 23 – 27, 2018	One	5
43.	Refresher course on Limit State Design of Reinforced Concrete Structures	July 23 - Aug. 03, 2018	One	20
44.	Guidance & Counselling	July 23 – 27, 2018	One	29
45.	Surveying Using Total Station & GPS	July 30 Aug. 03, 2018	One	13
46.	Electrical and Electronic Systems in Wind and Solar Energy Applications	July 30 Aug. 03, 2018	One	15
47.	Entrepreneurship Development Programme	July 30 Aug. 03, 2018	One	19
48.	Refresher course on Limit State Design of Steel Structures	Aug. 06 – 18, 2018	Two	16

Sl. No.	TOPIC	Duration	No. of Weeks	No. of Participants
49.	ASP .NET	Aug. 06 – 10, 2018	One	19
50.	Refrigeration and Air Conditioning	Aug. 06 – 10, 2018	One	18
51.	Application of MyRIO and MULTISIM	Aug. 06 – 18, 2018	Two	25
52.	Sensor Applications using MyRIO with LabVIEW	Aug. 06 – 10, 2018	One	12
53.	Developing Professional Ethics, Values and Communication skills	Aug. 06 – 10, 2018	One	24
54.	e-office and its Applications	Aug. 06 – 11, 2018	One	54
55.	Curriculum Revision Workshop for Mechanical, Automobile, Packaging and Printing Technology	Aug. 07 – 11, 2018	One	32
56.	Circuit Simulation and PCB Design using MULTISIM	Aug. 13 - 18, 2018	One	5
57.	Principles and Applications of Nano Science & Technology	Aug. 13 - 18, 2018	One	17
58.	Instructional Design and Delivery System	Aug. 13 - 18, 2018	One	13
59.	NBA Accreditation Based on OBE	Aug. 13 - 18, 2018	One	33
60.	Optical Fiber Communication	Aug. 13 - 17, 2018	One	14
61.	Advances in Heat Treatment and Non Destructive Testing	Aug. 20 - 25, 2018	One	14
62.	Personality Development and NLP	Aug. 20 - 25, 2018	One	22
63.	Advanced Communication Systems	Aug. 20 - 25, 2018	One	13
64.	Industrial Control using PLC, Pneumatics and LabVIEW and MATLAB Programming	Aug. 27 – Sept. 07, 2018	Two	26
65.	Industrial Control using PLC, Pneumatics and LabVIEW	Aug. 27 - 31, 2018	One day	7
66.	Evolving Trends in E-Learning	Aug. 27 - 31, 2018	One	10
67.	Data Structure using C Programming	Aug. 27 - 31, 2018	One	14
68.	Refresher Course on Chemistry	Aug. 27 – Sept. 07, 2018	Two	26
69.	Induction Programme	Aug. 27 – Sept. 07, 2018	Two	18
70.	Induction Programme	Aug. 27 – Sept. 07, 2018	Two	25
71.	Curriculum Revision Workshop for Civil Engineering and allied branches	Aug. 27 - 31, 2018	One	27
72.	MATLAB Programming	Sept. 04 – 08, 2018	One	1
73.	Thermal Power Engineering	Sept. 04 – 08, 2018	One	16
74.	TQM in Technical Education	Sept. 04 – 08, 2018	One	13
75.	Android Application Development	Sept. 10 – 15, 2018	One	17
76.	Curriculum Revision Workshop for Non-conventional branches	Sept. 10 – 14, 2018	One	24
77.	Applications in Power Electronics Engineering	Sept. 17 – 22, 2018	One	22
78.	Developing Professional Ethics, Values and Communication skills	Sept. 17 – 22, 2018	One	19

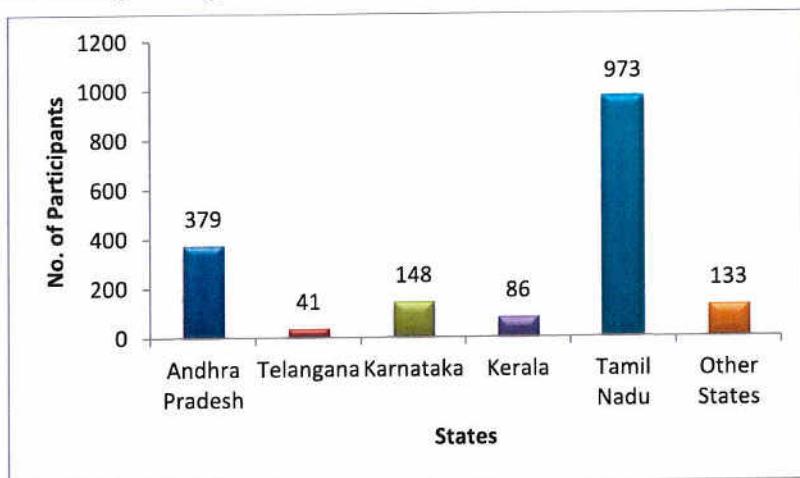
Sl. No.	TOPIC	Duration	No. of Weeks	No. of Participants
79.	Non Traditional Machining	Sept. 24 – 28, 2018	One	14
80.	Cloud Computing	Sept. 24 – 28, 2018	Three days	17
81.	Life Skills Development	Sept. 24 - Oct. 06, 2018	Two	44
82.	E-Learning Design	Sept. 24 – 28, 2018	One	18
83.	e-office and its Applications	Sept. 24 – 28, 2018	One	22
84.	Parametric Modelling, Analysis and Simulation	Sept. 24 - Oct. 06, 2018	Two	24
85.	Desktop Publishing & Digital Printing	Oct. 01 – 06, 2018	One	20
86.	Data Analytics using Python Programming	Oct. 01 – 12, 2018	Two	23
87.	Open Educational Resources and Massive Open Online Courses	Oct. 08 – 12, 2018	One	22
88.	Question Paper Setting and Student Evaluation	Oct. 08 – 12, 2018	Two	19
89.	Data Analytics	Oct. 08 – 12, 2018	One	1
90.	e-office and its Applications	Oct. 08 – 13, 2018	One	21
91.	OBE and NBA Procedures	Oct. 08 – 12, 2018	One	48
92.	Developing Professional Ethics, Values and Communication skills	Oct. 09 – 13, 2018	One	33
93.	Professional Practice	Oct. 29 – Nov. 02, 2018	One	34
94.	Modern Trends in Physical Education and Sports Science	Nov. 12 – 16, 2018	One	24
95.	e-office and its Applications	Nov. 12 – 17, 2018	One	33
96.	Student Psychology and Prevention of Suicide	Nov. 26 – 30, 2018	One	19
97.	Repairs and Renovations of Structures	Nov. 26 – 30, 2018	One	12
98.	Renewable Energy Sources	Nov. 26 – Dec. 07, 2018	Two	8
99.	e-office and its Applications	Dec. 03 – 08, 2018	One	32
100.	E-content Development & Learning Management System	Dec. 10 – 21, 2018	Two	45
101.	E-content Development	Dec. 10 – 14, 2018	One	1
102.	Institutional Repository using Open Source Software	Dec. 10 – 14, 2018	One	15
103.	Climate Change – Adaptation, Mitigation and Management	Dec. 10 – 14, 2018	One	13
104.	Educational Measurement & Evaluation	Dec. 10 – 14, 2018	One	19
105.	Robotics and Mechatronics for Industrial Automation	Dec. 17 – 21, 2018	One	16
106.	LabVIEW Programming	Dec. 17 – 21, 2018	One	12
107.	NBA Process	Dec. 17 – 21, 2018	One	25
108.	e-office and its Applications	Dec. 17 – 21, 2018	One	33
109.	E-Resources & Social Media Learning	Dec. 31 – Jan. 04, 2019	One	22
110.	Verilog Programming and Implementation in FPGA	Dec. 31 – Jan. 04, 2019	One	12

Sl. No.	TOPIC	Duration	No. of Weeks	No. of Participants
111.	Analysis and Design of Structures using STAAD/Pro	Dec. 31 – Jan. 04, 2019	One	16
112.	Web Designing	Jan. 07 – 11, 2019	One	21
113.	Research Methodology	Jan. 07 – 11, 2019	One	27
114.	Wireless and Mobile communication	Jan. 07 – 11, 2019	One	16
115.	E - Office and its Applications	Jan. 07 – 12, 2019	One	46
116.	Advances in Materials & Manufacturing	Jan. 21 – 25, 2019	One	16
117.	Schematic, Simulation & PCB design using ORCAD	Jan. 21 – 25, 2019	One	11
118.	Question Paper Authoring & Evaluation	Jan. 21 – 25, 2019	One	28
119.	Yoga for Mental Health and Success	Jan. 28 – Feb. 01, 2019	One	25
120.	Content Management System	Jan. 28 – Feb. 01, 2019	One	21
121.	Automobile Technology – Theory & Practical	Jan. 28 – Feb. 08, 2019	Two	18
122.	Automobile Technology – Practical (with ATI, Chennai)	Feb. 04 – 08, 2019	One	6
123.	Pre-Stressed Concrete Structural Elements	Feb. 04 – 08, 2019	One	16
124.	Educational Video Production Workshop for Circuit Engineering Branch Teachers	Feb. 04 -15, 2019	One	5
125.	Free Software for Education	Feb. 11 – 15, 2019	One	26
126.	Embedded System using 8051 Micro controller Arduino and AVR Micro Controller Programming	Feb. 11 – 22, 2019	Two	26
127.	Embedded System using 8051 Micro Controller	Feb. 11 – 15, 2019	One	3
128.	Computer Aided design and manufacturing	Feb. 11 – 22, 2019	Two	20
129.	Professional Practice	Feb. 11 – 15, 2019	One	32
130.	Arduino and AVR Micro Controller Programming	Feb. 18 – 22, 2019	One	15
131.	Animation & HTML Coding	Feb 25 – Mar. 01, 2019	One	5
132.	Computer Hardware & Networking	Feb 25 – Mar. 01, 2019	One	26
133.	Parametric Modelling, Analysis and Simulation	Feb 25 – Mar. 09, 2019	Two	21
134.	E-Content for Lab Experiments	Mar 04 -08, 2019	One	26
135.	Outcome Based Education	Mar 05 -09, 2019	One	27
136.	Advances in Manufacturing Techniques	Mar 04 -08, 2019	One	14
137.	Personality Development and NLP	Mar 11 -15, 2019	One	29
138.	Behavioral Assessment of Students	Mar 11 -15, 2019	One	20
139.	Parametric Modelling, Analysis and Simulation	Mar 11 -22, 2019	Two	14
140.	Web Design using Framework	Mar 18 -22, 2019	One	8
141.	Environmental Pollution Control and Management	Mar 18 -29, 2019	Two	10
142.	E-Learning Authoring Tools	Mar 25 -29, 2019	One	20
<b>Total</b>				<b>2906</b>

#### 4.2.2 ENGINEERING COLLEGE PROGRAMMES

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers under sponsored category. Forty-one short-term courses covering **1760** participants (Male: **1053**, Female: **707**) covering States like Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu & other States were organized (Table 5). State-wise distribution of engineering college faculty trained during 2018-2019 is given in Fig 2. Thus, till date, **28,231** technical teachers of Engineering colleges have been trained through **693** courses. During this year the courses were conducted in the following areas:

- Instruction design and delivery system
- Outcome based education
- Student evaluation and question paper setting
- Personality Development and NLP
- Technology enabled teaching learning process
- Accreditation



**Fig 2. Number of engineering college faculty members trained during 2018-2019**

**Table 5: List of Sponsored Engineering College Training Programmes, 2018-2019**

Sl. No.	Venue	Period	No. of Days	No. of Participants
1.	St. Peter's Institute of Higher Education and Research, TN	April 02 - 04, 2018	3	46
2.	V. R. Siddhartha Engineering College, Vijayawada, AP	April 16 - 18, 2018	3	53
3.	PSNA College of Engineering and Technology, TN	April 16 - 21, 2018	6	49
4.	SVS College of Engineering, Coimbatore, TN	April 30 - May 05, 2018	6	50
5.	Dr. M.G.R Educational and Research Institute, TN	May 07 - 11, 2018	5	33
6.	Karunya Institute of Technology and Sciences, Coimbatore, TN	May 14 - 16, 2018	3	31

Sl. No.	Venue	Period	No. of Days	No. of Participants
7.	Karunya Institute of Technology and Sciences, Coimbatore, TN	May 16 - 18, 2018	3	38
8.	Karunya Institute of Technology and Sciences, Coimbatore, TN	May 16 - 18, 2018	3	43
9.	Lakshmi Ammal Polytechnic College, Kovilpatti, TN	May 21 - 25, 2018	5	32
10.	Lakshmi Ammal Polytechnic College, Kovilpatti, TN	May 21 - 25, 2018	5	30
11.	Karunya Institute of Technology and Sciences, Coimbatore, TN	May 30 – Jun 01, 2018	3	41
12.	Karunya Institute of Technology and Sciences, Coimbatore, TN	May 30 – Jun 01, 2018	3	35
13.	Ramachandra College of Engineering, Eluru, AP	June 04 - 08, 2018	5	52
14.	CARE Group of Institutions, Trichy, TN	June 11 - 15, 2018	5	45
15.	JCT College of Engineering and Technology, Coimbatore, TN	June 4 - 9, 2018	6	52
16.	Sri Venkateswara Group of Institutions, Puducherry	July 2 - 6, 2018	5	40
17.	Madanapalle Institute of Technology and science, Madanapalle, AP	Jun 25 - 29, 2018	5	43
18.	MLR Institute of Technology, Hyderabad, TS	July 2 - 7, 2018	6	41
19.	Providence College of Engineering, Chengannur, Kerala	July 2 - 7, 2018	6	46
20.	Hindustan Institute of Technology & Science, Chennai, TN	July 9 – 14, 2018	6	39
21.	Rathinam Group of Institutions, Coimbatore, TN	July 24 - 28, 2018	5	50
22.	Navodaya Institute of Technology, Raichur, Karnataka	July 27 – Aug 01, 2018	6	50
23.	PSR Engineering College, Sivakasi, TN	Aug 6 - 11, 2018	6	49
24.	Vidyavardhaka College of Engineering, Mysuru, Karnataka	Aug 13 - 18, 2018	6	39
25.	College of Engineering, Anna University, TN	Oct 29 - 31, 2018	3	40
26.	Sarah Tucker College, Tirunelveli, TN	Oct 30 – Nov 03 2018	5	35
27.	Sarah Tucker College, Tirunelveli, TN	Oct 30 – Nov 03 2018	5	40
28.	Vignan's Institute of Engineering for Women, Vishakapatnam, AP	Nov. 12 - 16, 2018	5	40
29.	National Institute of Technology, Karaikal, Puducherry	Dec 4 - 9, 2018	6	40
30.	K LEF Deemed to be University, Guntur, AP	Dec 11 - 15, 2018	5	53
31.	Rajiv Gandhi University of Knowledge Technologies, Nuzvid, Krishna Dt., AP	Dec 26 - 31, 2018	6	47
32.	Rajiv Gandhi University of Knowledge Technologies, Nuzvid, Krishna Dt., AP (for Srikakulam), AP	Dec 26 - 31, 2018	6	45
33.	Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV), Kanchipuram, TN	Jan 2 - 4, 2019	3	40
34.	Rajiv Gandhi University of Knowledge Technologies, R.K. Valley, AP	Jan 2 - 7, 2019	6	46

Sl. No.	Venue	Period	No. of Days	No. of Participants
35.	Air Asia India Ltd., Bangalore, Karnataka	Jan. 28 – Feb 01, 2019	3	21
36.	Vidyavardhaka College of Engineering, Mysuru, Karnataka	Feb. 4 - 8, 2019	5	38
37.	Aarupadai Veedu Institute of Technology, Paiyanoor, TN	Jan. 18, 19 & Feb. 09, 2019	12	51
38.	Ilahia College of Engineering and Technology, Mulavoor, Kerala	Jan. 21 - 25, 2019	5	40
39.	Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, TN	Feb. 5 - 8, 2019	4	50
40.	Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, TN	Feb. 13 - 16, 2019	4	54
41.	National Institute of Technology, Manipur	Mar. 12 - 17, 2019	6	53
				Total 1760

Note: AP – Andhra Pradesh, TS – Telangana, TN – Tamil Nadu

#### 4.2.3 INDUSTRIES AND OTHER ORGANISATION PROGRAMMES

The institute has established good collaboration with the Government organizations and industries. The Government organization and industries are also availing the experience, expertise and resources of the institute for getting their engineers and staff trained. During 2018-2019, this institute has conducted the following three training programmes for Government organizations (Table 6).



Photo: In-service Training Programme for Technical Assistants

**Table 6: List of Staff Training Programmes of Government Organisations**

Title of the Programme	Name of the Government Organization	Duration	No. of Participants
TNHB-In-Service Training Programme for Assistant Engineers	Tamil Nadu Housing Board, Chennai	04.06.2018 to 22.06.2018	25
TNHB-In-Service Training Programme for Surveyors and Junior Drafting officers	Tamil Nadu Housing Board, Chennai	04.06.2018 to 16.06.2018	38
TNHB-In-Service Training Programme for Technical Assistants	Tamil Nadu Housing Board, Chennai	09.07.2018 to 20.07.2018	75
<b>Total</b>			<b>138</b>

A total of 138 participants attended these training programmes. Thus to date, 2746 persons were trained through 122 courses.

#### **4.2.4 SPONSORED TRAINING PROGRAMMES**

The following is the list of sponsored training programmes (Table 7) conducted during 2018-2019.

**Table 7: List of Sponsored Training Programmes Conducted, 2018-2019**

S.No	Title of the Programme	Sponsored by	Duration	No. of Participants	Amount (Rs)
1	Faculty Development Programme in Entrepreneurship	NSTEDB and DST	21.01.2019 to 02.02.2019	19	2,50,000/-
2	Entrepreneurship Awareness Camp	DST	08-10, Jan 2019 19-21, Feb 2019 06-08, March 2019 20-22, March 2019	738	80,000/-
			<b>Total</b>	<b>757</b>	<b>3,30,000/-</b>

##### **a) Faculty Development Programme in Entrepreneurship**

The Faculty Development Programme in Entrepreneurship sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Government of India, was conducted at our Institute from 21.01.2019 to 02.02.2019.

The objective of the programme is to train and develop faculty members from universities, engineering colleges and polytechnic colleges involved or likely to be involved in entrepreneurship related activities, so that they can act as 'Resource Persons' in guiding and motivating their students intended to become an entrepreneur.

The programme has been conducted with 19 participants. Shri N. Ramachandran, Director, Vionix Technologies (P) Ltd., Chennai has formally inaugurated the programme followed by key note address.



**Photo: Faculty Development Programme in Entrepreneurship**

The following major aspects were covered during the conduct of the programme.

- Promoting Entrepreneurship – Student-led start-ups in Educational Institution
- Entrepreneurial competencies and motivation
- Enterprise Development Process
- Financial Management
- IPR and Patent Registration in SSI
- Information and Communication Technology for Promoting Entrepreneurship
- Role of Support Agencies.

The inputs were imparted through lecture-cum-discussion and case studies. Successful entrepreneurs were also invited to deliver lecture for practical insights.

The participants visited the following Industries / Institutions and had interaction with experts.

- Qmax Test Equipments Pvt Ltd., Chennai
- Dakshina Chitra, Chennai
- IITM Incubation Cell, Chennai

The programme ended with the formal valedictory address and certificate distribution on 2<sup>nd</sup> February, 2019 afternoon by Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.

**b) Entrepreneurship Awareness Camp**

With a view to expose students as well as faculty of academic Institutions offering Diploma/ Degree in S&T and to adapt Entrepreneurship as an alternative career four number of 3 days Entrepreneurship Awareness Camps (EACs) proposed by NITTTR Chennai were funded by National Science and Technology Entrepreneurship Development (NSTEDB) for the FY 2018-19.



**Photo: Entrepreneurship Awareness Camps**

The details of the Entrepreneurship Awareness Camps (4 Nos) sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), conducted by NITTTR, Chennai are as follows (Table 8).

**Table 8: List of Entrepreneurship Awareness Camps Conducted, 2018-2019**

S. No	Name and Address of The Institution	Duration	No. of Participants
1	V SVN Polytechnic College, Virudhunagar	8-10 Jan 2019	238
2	Annai JKK Sampooraniammal Polytechnic College, Gobichettipalayam	19-21 Feb, 2019	357
3	SKA Polytechnic College, Seikalathur	6-8 March, 2019	68
4	Nachimuthu Polytechnic College, Pollachi	20-22 March, 2019	75
<b>Total Participants</b>			<b>738</b>

#### 4.2.5 CPSC REGIONAL PROGRAMME

National Institute for Technical Training and Research (NITTTR), Chennai conducted a Regional Programme on "Quality and Sustainable TVET" in collaboration with the Colombo Plan Staff College (CPSC), Manila, Philippines from October 08-12, 2018 at our institute for the TVET stakeholders in CPSC member countries to further develop the capability to face the continued challenges in the global era and to look into the quality improvement on TVET. The programme also aims to inform the international participants regarding the strategies towards the improvement, taking into account the challenges that countries face in reforming and realigning their existing TVET systems into a more sustainable approach. The international participants consist of 14 directors, administrators and heads of institutions from Fiji, Maldives, Mongolia, Myanmar, Nepal, Papua New Guinea, Philippines, Singapore, Sri Lanka and Thailand.

The contents focused on the development of strategic plans for institutions, quality assurance and an exchange of information regarding the trends and challenges for TVET. They were also able to develop thrust areas for a sustainable future of their institutions, prepare sample documents for APACC quality assurance and develop system development plans for the future reference of their institutions.



**Photo: CPSC Regional Programme**

The program was supervised jointly by the Director General of CPSC, Dr. Ramhari Lamichhane and the Director of NITTTR-Chennai, Prof. Dr. Sudhindra Nath Panda. The program was coordinated by Dr.G.Kulanthaivel, Professor and Head of the Department of Electrical, Electronics and Communication Engineering. Ms. Juanita Empuerto, CPSC's staff, also attended the event to assist with the program preparations.

As a part of their classroom interactions, the participants were able to visit the SRM Institute of Science and Technology, Chennai. They were oriented with the innovations employed by the institution in terms of maintaining a quality and sustainable TVET.

#### **4.3 MEMORANDUM OF UNDERSTANDING**

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

A strategic partnership can improve synergies for both beneficiaries and contributes to an overall increase in institutional capacity. Through MoU, there is a possibility to excel in training needs and in turn innovate and

share best practices. Through partnerships with governments, academies and industries it makes it possible for NITTTR Chennai to consolidate and extend its capacity to provide a global platform for knowledge transfer.

The NITTTR, Chennai signed MoU with the following institutes (Table 9) during the year 2018-2019:

**Table 9: List of MoU Signed Institutes, 2018-2019**

S. No	Institution / Agencies	Date of Signing
1	Karunya Institute of Technology and Sciences, Tamil Nadu	01.06.2018
2	AMET (Deemed to be University)	10.10.2018

#### **4.4 SEMINAR/SYMPORIUM/CONFERENCE/WORKSHOP CONDUCTED**

A total of twenty-one seminar/symposium/conference/workshop were conducted during this year. A total of 2145 participants from Engineering colleges, Polytechnic colleges, Industries and professionals attended and presented papers. The details are given in the Table 10.

**Table 10: Seminar/Conference/Symposium/Workshop, 2018 – 2019**

Sl. No.	Title	National/ International	Seminar/ Symposium/ Conference/ Workshop	Duration	Venue	No. of Participants	Co-ordinator(s)	Inaugurated by
1.	NITTTR – The Future Ahead	National	Seminar	21.04.2018	NITTTR, Chennai	150	Dr. S. Renukadevi	Prof. Dr. S. N. Panda, Director, NITTTR Chennai.
2.	UNESCO Bangkok expert meeting in India	International	Conference	03.04.2018 to 04.04.2018	NITTTR, Chennai	16	Dr. G. Kulanthaivel	Dr. Eunsang Cho, Programme Specialist, UNESCO Bangkok
3.	Future skills needs and anticipation in selected sectors and industries in the Asia Pacific Region	International	Experts Meeting Symposium	02.05.2019 to 03.05.2019	NITTTR, Chennai	12	Dr. G. Kulanthaivel	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai
4.	TVET teacher training programmes and institutions in the Asia and Pacific Region	International	Experts Meeting Symposium	03.05.2018 to 04.05.2018	NITTTR, Chennai	14	Dr. G. Kulanthaivel	Dr. Eunsang Cho, Programme Specialist, UNESCO Bangkok
5.	Industry 4.0	National	Workshop	30.05.2018 to 31.05.2018	NITTTR, Chennai	10	Dr. G. A. Rathy Dr.P.Sivassankar	Mr. Vivek CEO, Guru Agathya Pvt Ltd, Chennai

Sl. No.	Title	National/ International	Seminar/ Symposium/ Conference/ Workshop	Duration	Venue	No. of Participants	Co-ordinator(s)	Inaugurated by
6.	Journal / Book publishing	International	Workshop	02.07.2018	NITTTR, Chennai	123	Dr. R. Ravichandran	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
7.	Recent Trends in Information Technology	International	Symposium	31.07.2018	PSNA College of Engineering and Technology, Dindigul	60	Dr. R. Ravichandran	Dr. D. Vasudevan, Principal I/c PSNA College of Engineering and Technology, Dindigul
8.	Promoting Values (Truth and Non Violence) in Engineering Education	International	Symposium	03.10.2018	NITTTR, Chennai	125	Dr. S. Renukadevi	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai
9.	Recent Trends in Engineering Education	International	Conference	05.10.2018 to 06.10.2018	PSR Engineering College, Sivakasi.	470	Dr. S. Renukadevi Dr. P. Malliga	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
10.	CPSC Collaborative Skills in TVET for Sustainability	International	Conference	11.10.2018 to 12.10.2018	NITTTR, Chennai	140	Dr. G. Kulanthaivel	Mr. Kapil Kumar C. Saratkar, DIG of Police, Tirunelveli.
11.	Issues related to improvement in Quality in	Regional	Workshop	13.11.2018	NITTTR Extension	60	Dr. R. Santhakumar and Dr. Umashanker Sahu	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
								Sri Navin Mittal, IAS, Commissioner,

Sl. No.	Title	National/ International	Seminar/ Symposium/ Conference/ Workshop	Duration	Venue	No. of Participants	Co-ordinator(s)	Inaugurated by
	Technical Education for the State of Telangana				Centre, Hyderabad			Directorate of Technical Education, Telangana
12.	Recent Trends in Higher Education	International	Symposium	14.11.2018	NITTTR, Chennai	108	Dr. S. Renukadevi	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai
13.	Issues related to improvement in Quality in Technical Education for the State of Andhra Pradesh	Regional	Workshop	20.11.2018	NITTTR Extension Centre, Vijayawada	73	Dr. R. Santhakumar	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai
14.	Issues related to improvement in Quality in Technical Education for the State of Tamil Nadu	Regional	Workshop	07.01.2019	NITTTR, Chennai	16	Dr. R. Santhakumar	Shri. K. Vivekanandan IAS Commissioner, Directorate of Technical Education, Tamil Nadu
15.	Issues related to improvement in Quality in Technical Education for the State of Kerala	Regional	Workshop	06.02.2019	NITTTR Extension Centre, Kerala	30	Dr. R. Santhakumar	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.

Sl. No.	Title	National/ International	Seminar/ Symposium/ Conference/ Workshop	Duration	Venue	No. of Participants	Co-ordinator(s)	Inaugurated by
16.	Internet of Things(IoT)	National	Workshop	03.12.2019 To 07.12.2019	NITTTR, Chennai	23	Dr. G. A. Rathy Dr.P.Sivasankar	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai
17.	IoT based real time Applications	National	Workshop	03.01.2019 to 04.01.2019	NITTTR, Chennai	50	Dr. G. A. Rathy Dr.P.Sivasankar	Dr R Vijayarajeswaran Vi Micro systems Pvt Ltd
18.	Research Methodology and SPSS Applications	National	Workshop	05.01.2019 19.01.2019 02.02.2019 16.02.2019 23.02.2019	NITTTR, Chennai	265	Dr. R. Rajendran	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
19.	Trends in Computing, Networking, Health and Renewable Energy for Sustainable Development	International	Seminar	07.02.2019	St. Joseph Engineering College, Chennai	120	Dr. G. Kulanthaivel Dr. V. Shamughaneethi	Dr. B. Babu Manoharan, Chairman, St. Joseph's Group of Institutions, Chennai
20.	Emerging Trends in Engineering	International	Seminar	15.03.2019	Kumaran Polytechnic College, Thiruvannamalai	80	Dr. G. Kulanthaivel Dr. K.S.A. Dineshkumar	Shri. Pon. Muthu, Director, Kumaran Polytechnic College, Thiruvannamalai.
21.	Quality Assurance and Accreditation for Technical and Higher Professional Education	International	Seminar	21.03.2019	NITTE Meenakshi Institute of Technology, Bangalore	200	Dr. E. S. M. Suresh	Prof. Dr. N R Shetty Director N.M.I.T., Bangalore.
							Total	2145

**Photos: Seminar/Symposium/Conference/Workshop, 2018 – 2019**



NITTTR – The Future Ahead



UNSECO Bangkok expert meeting in India



Future Skills needs and anticipation in selected Sectors and Industries in the Asia Pacific Region



TVET teacher training programmes and institutions in the Asia and Pacific Region



Industry 4.0



Recent Trends Information Technology



Promoting Values (Truth and Non Violence) in Engineering Education



Recent Trends in Engineering Education

**Photos: Seminar/Symposium/Conference/Workshop, 2018 – 2019**



CPSC Collaborative Skills in TVET for Sustainability



Issues related to improvement in Quality in Technical Education for the State of Telangana



Recent Trends in Higher Education



Internet of Things(IoT)



Research Methodology and SPSS Applications



Trends in Computing, Networking, Health and Renewable Energy for Sustainable Development



Emerging Trends in Engineering



Quality Assurance and Accreditation For Technical and Higher Professional Education

## 5.0 CELEBRATION OF NATIONAL DAYS:

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

**Table 11: Celebration of National Days**

Sl. No.	Description	Date/ Duration	Events	Coordinator	Chief Guest
1.	Golden Jubilee Celebration	21.04.2018	National Seminar	Dr. S. Renukadevi	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
2.	Anti-Terrorism Day	21.05.2018	Pledge	Dr. S. Renukadevi	
3.	International Yoga Day	19.06.2018 to 21.06.2018	Mass Demonstration of Yoga, Essay Writing and Elocution Competitions	Dr. S. Renukadevi	Prof. S. Krishnamurthi, World Community Service Centre, Mylai Sky Trust, Chennai.  Prof. Banshidhar Majhi Director, IIITDM, Kancheepuram
4.	Swachhta Pakhwada	02.10.2018	Took up a "Cleaning Programme" at Venkadamangalam Village, Chennai	Dr. K.S.A. Dineshkumar	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
5.	Surgical Strike Day	01.10.2018	Special Lecture	Dr. S. Renukadevi	Lt Col CR Sundar (Rtd) Indian Air Force, Chennai.  Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
6.	150 <sup>th</sup> birth Anniversary of Mahatma Gandhi	03.10.2018	International Symposium	Dr. S. Renukadevi	Prof. Dr. Allam Appa Rao Chairman - BoG, NITTTR, Chennai.  Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
7.	Vigilance Awareness Week	29.10.2018 to 03.11.2018	Pledge	Dr. E. S. M. Suresh	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.  .
8.	Rashtriya Ekta Diwas	31.10.2018	Pledge and Unity Run	Dr. S. Renukadevi	
9.	National Education Day	13.11.2018 to 14.11.2018	Elocution, Essay Writing, Rally and Symposium	Dr. S. Renukadevi	Prof. Dr. Gurmeet Singh Vice Chancellor Pondicherry University  Dr. Jawahar Natesan, Vice Chancellor, Saveetha University  Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
10.	Constitution Day Celebrations	26.11.2018	Pledge	Dr. S. Renukadevi	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.
11.	Institution Day celebrations	14.12.2018	Special Lecture	Dr. K. S. Giridharan Dr. P. Sivasankar	Prof. Dr. Allam Appa Rao Chairman – BoG, NITTTR, Chennai.  Prof. Dr. S. N. Panda, Director, NITTTR, Chennai.

Photos: Celebrations of National Days, 2018 – 2019



Golden Jubilee Celebration



Anti-Terrorism Day



International Yoga Day



Swachhta Pakhwada



Surgical Strike Day



150<sup>th</sup> birth Anniversary of Mahatma Gandhi



Vigilance Awareness Week

**Photos: Celebrations of National Days, 2018 – 2019**



Rashtriya Ekta Diwas



National Education Day



Constitution Day Celebrations



National Education Day



Institution Day celebrations

## **6.0 CURRICULUM DEVELOPMENT**

Centre for Curriculum Development, Planning and Co-ordination of the institute was set up in 1970 for revising the curricula of existing programmes and developing curricula for new programmes of polytechnics to meet the ever-changing technical human resource needs of the expanding Indian economy. The institute has evolved a curriculum development model which includes job and task analysis for developing technician profiles, identifying technician competency, formulating learning outcomes reflecting the knowledge, skills and attitudes, clustering and sequencing contents, and designing suitable evaluation schemes. The relevance and appropriateness of the curricula are ensured by the involvement of polytechnic teachers, industrial representatives and faculty from institutions of higher learning and the officials of the Directorates of Technical Education at all stages of curriculum development. During 2018-2019, Curricula of 1200 courses were revised for the polytechnics of Telangana State. Our faculty members rendered service for revising curricula of 69 courses for the Anna University, Tamil Nadu State.

## **7.0 INSTRUCTIONAL MATERIALS DEVELOPMENT**

During 2018-2019, the institute has developed three lab manuals and updated the 65 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, 23 video programmes were produced for teachers and students of technical education institutions.

## **9.0 RESEARCH AND CONSULTANCY PROJECTS**

The following three research (Table 12) and seven 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	MHRD, 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) Swayam -Civil Infrastructure for Smart City Development	MHRD, New Delhi	July 2018 to June -2019	Dr. E. S. M. Suresh Dr. G. Janardhanan Dr. K. S. A. Dineshkumar	Ongoing	19.70
<b>TOTAL</b>						<b>514.70</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.	Computation of Volume of Earth at Annai Anjugam Nagar, Perungalathur	TNSCB Chennai	February 2018 to June 2018	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dineshkumar	Completed	1.18
ii.	Water Quality Testing for Palar River Basin	PWD Chennai	From Feb 2018 to Till date	Prof. Dr. S. N. Panda Dr. G. Janardhanan, Dr. K. S. A .Dinesh Kumar	Ongoing	0.61655
iii.	Unnat Bharat Abhiyan (UBA)	MHRD	From Jan 2018 to Till date	Prof. Dr. S. N. Panda Dr. K. S. Gridharan	Ongoing	3.50
iv.	Computation of Volume of Earth at Perumbakkam	TNSCB Chennai	January 2018 to June 2018	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dineshkumar	Completed	0.295
v.	Recruitment examination of Junior Engineer (regular) and Project Assistant Grade I (contract) for National Institute of Wind Energy (NIWE), Chennai	National Institute of Wind Energy (NIWE), Chennai	06.03.2019 to 11.04.2019	Er. M. Senthilkumar Dr. S. Somasundaram Dr. M. Ganesan	Completed	3.00
vi.	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
vii.	Computation of Volume of Earth Required at Poochi Athipedu,Thiruvallur (Dt)	TNSCB Chennai	June 2018 to November 2018	Prof. Dr. S. N. Panda Dr. G. Janardhanan Dr. K. S. A. Dineshkumar	Completed	4.10
<b>TOTAL</b>						<b>18.59155</b>

## **10.0 SWAYAM PROJECT**

SWAYAM is a programme initiated by the 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 26 SWAYAM courses (Table 14) along with other three NITTTRs (Chandigarh, Bhopal & Kolkata).

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

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

<b>SL. No</b>	<b>Name of the Courses</b>	<b>Coordinators Name</b>	<b>Course Offered by NITTTR</b>
1.	Accreditation for Diploma Engineering Programme	Dr.B.L.Gupta	Bhopal
2.	Fundamental of Curriculum in Engineering Education	Dr. Joshua Earnest	Bhopal
3.	Accreditation of Undergraduate Engineering Programmes	Dr.R.K.Dixit	Bhopal
4.	Learning and Instruction	Dr. Kiran Saksena	Bhopal
5.	ICT in Teaching and Learning	Dr.K.James Mathai	Bhopal
6.	Graphics and Animation Development	Er. Shano Solanki	Chandigarh
7.	Curriculum Implementation and Evaluation	Dr.A.B.Gupta	Chandigarh
8.	Development of Self Learning Material	Dr. Sunil Dutt	Chandigarh
9.	Classroom Communication	Er. Amandeep Kaur	Chandigarh

<b>SL. No</b>	<b>Name of the Courses</b>	<b>Coordinators Name</b>	<b>Course Offered by NITTTR</b>
10.	Research in Technical Education	Dr.P.K.Tulsi	Chandigarh
11.	Academic Audit	Dr. Rakesh K Wats	Chandigarh
12.	Quality Assurance in Engineering Education	Dr.E.S.M.Suresh	Chennai
13.	Student Assessment and Evaluation	Dr.V.Shanmuganeethi	Chennai
14.	Student Psychology	Dr. S.Renukadevi	Chennai
15.	Transforming Instruction through Blended Classroom	Dr.G.Janardhanan	Chennai
16.	Strategic Planning for Technical Institutions	Dr.S.Dhanapal	Chennai
17.	E-content Development	Dr.P.Malliga	Chennai
18.	Redefining Laboratory Instruction using Virtual Laboratory	Dr.G.Janardhanan	Chennai
19.	OER for Empowering Teachers	Dr.P.Malliga	Chennai
20.	Laboratory and Workshop Management	Dr.Dipankar Bose	Kolkata
21.	Learning Management System	Dr.RanjanDasgupta	Kolkata
22.	Academic and Research Report Writing	Dr. Samir Roy	Kolkata
23.	Capstone Project	Dr.Prasanta Sarkar	Kolkata
24.	Problem Based Learning	Dr.IndrajitSaha	Kolkata
25.	Technical Education System	Dr.Sekhar Chakraborty	Kolkata
26.	Managing Learning Resources	Dr.Uday Chand Kumar	Kolkata

## **11.0 SCHEME OF COMMUNITY DEVELOPMENT THROUGH POLYTECHNICS**

As a Direct Central Assistance Scheme, the scheme of Community Development Through Polytechnics (CDTP) sponsored by MHRD, Govt. of India, New Delhi is being implemented in 189 polytechnics in the Southern Region as on date. 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 CDTP scheme in their respective polytechnics, the Centre for Rural and Entrepreneurship Development (CRED) of the institute serves as a resource centre. It conducts orientation training programmes, State-wise workshops, annual review of the scheme and other subject related short-courses regularly. Besides, the CRED assists the MHRD in preparation of various Progress Reports and the expenditure related matters.

During the Year 2018-19, the operational plan proposals for the scheme of CDTP submitted by the polytechnics in the southern region were scrutinized and were approved. The Physical Achievement Reports (PAR) for the year 2017-18 submitted by the polytechnics were compiled and forwarded to the Ministry.

## **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 Human Resource Development, 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 project polytechnics.

### **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, the following activities were conducted by the Hindi Cell of the Institute (Table 16)



**Photo: Hindi Workshop**

**Table 16: Details of Hindi Workshops/Hindi Day**

Sl. No.	Workshop Title	Date	Venue	No. of Participants	Resource Person/ Chief Guest
1.	Official Language Policy and Situational Hindi	27.06.2018	NITTTR Chennai	26	1. Shri. S. Thirumalai 2. Smt. Y. Uma
2.	Hindi Pakhwada & Hindi Day Celebration	27.08.2018 to 29.08.2018 04.09.2018		90	Prof. Dr. S. N. Panda, Director, NITTTR, Chennai
3.	Problems and Solutions of Non-Hindi speakers during learning Hindi	29.08.2018		22	1. Smt. B. Kavita 2. Smt. V. Rajeshwari
4.	Policy of Official Language, Rules, Act and implementation	04.10.2018		41	1. Shri. S. Thirumalai 2. Smt. Y. Uma
5.	Simple Hindi Sentence, Conversational and Situational Hindi	30.01.2019		32	

### **14.0 FACULTY NEWS**

In order to foster and enhance an academic knowledge of the faculty members, our Director has deputed the faculty members to various training programme/workshop/seminar/conference (Table 17).

a) Training Programmes/Seminar/Conference and Workshop attended by Faculty Members:

**Table 17: Training Programmes / Seminar / Conference and Workshops attended**

Sl. No.	Title	Workshop / Seminar / FDP / Course / GIAN /Training Programme	National / International	Duration	Venue	Faculty attended
1.	Foundation program in ICT for Education	Training Programme	National	08.03.2018 to 12.04.2018	Indian Institute of Technology, Bombay	Dr. P. Malliga
2.	Foundation program in ICT for Education	Training Programme	National	08.03.2018 to 12.04.2018	Indian Institute of Technology, Bombay	Shri. A.P. Felix Arokiya Raj
3.	Information Security & Digital Forensics (ISDF 2018)	Training Programme	National	16.04.2018 to 20.04.2018	Maulana Azad National Institute of Technology, Bhopal	Dr. Umashanker Sahu
4.	Pedagogy for Online and Blended Teaching-Learning Process	Training Programme	National	03.05.2018 to 30.05.2018	Indian Institute of Technology, Bombay	Dr. P. Malliga
5.	MOOCs for Higher Education: Seizing digital opportunities to achieve SDG4	Seminar	International	11.06.2018 to 13.06.2018	Shenzhen, People's Republic of China.	Dr. E.S.M. Suresh Dr. G. Janardhanan
6.	Outcome Based Education Platform	Workshop	International	16.07.2018	SRM University, Amaravati AP	Shri. A.P. Felix Arokiya Raj
7.	Transformation in Engineering Education Imparting Futuristic Skills	Conference	International	16.07.2018 to 17.07.2018	SRM University, Amaravati AP	Shri. A.P. Felix Arokiya Raj
8.	Energy Management and Audit	Training Programme	National	20.08.2018 to 24.08.2018	National Institute of Technology, Tiruchirappalli, Tamil Nadu	Er. M. Senthilkumar
9.	Right to Information Act	Workshop	National	24.08.2018	National Institute of Wind Energy, Chennai	Dr. R. Ravichandran
10.	How to do a good Ph.D.	Workshop	National	03.03.2018	MIT Campus, Anna University	
11.	Augmenting Writing Skills for Articulating Research Statistical Data Analysis through R/R-Studio Programming	Workshop	National	18.09.2018	Anna University, Chennai	Shri. A.P. Felix Arokiya Raj
12.		Workshop	National	26.09.2018 to 27.09.2018	Pondicherry University	

Sl. No.	Title	Workshop / Seminar / FDP / Course / GIAN /Training Programme	National / International	Duration	Venue	Faculty attended
13.	13th Annual Convention on Data Privacy and Right to Information, Amendment to the RTI Act & Implementation of the RTI Act, 2005	Annual Convention	National	12.10.2018	Central Information Commission (CIC), Govt. of India, New Delhi	Dr. R. Ravichandran
14.	IEEE Conference TECON 2018	Conference	International	28.10.2018 to 31.10.2018	Jeeju, South Korea	Dr. Umashanker Sahu
15.	Text Analytics	Workshop	National	10.11.2018 to 11.11.2018	Pondicherry University	Shri. A. P. Felix Arokiya Raj
16.	Leadership for Academician (LEAP)	Training Program	International	19.11.2018 to 30.11.2018	IIT, Kanpur	Dr. E.S.M. Suresh
17.	Structural Equation Modelling	Workshop	National	24.11.2018 to 25.11.2018	Pondicherry University	Shri. A.P. Felix Arokiya Raj
18.	Recent Trends in Materials & Manufacturing	Training Programme	National	10.12.2018 to 15.12.2018	National Institute of Technology, Tiruchirappalli, Tamil Nadu	Er. M. Senthilkumar
19.	Transformation in Engineering Education (ICTEE)	Conference	International	06.01.2019 to 07.01.2019	Malla Reddy Engineering college, Hyderabad	Dr. K.S.A. Dinesh Kumar
20.	Libraries on Cloud	Workshop	National	11.03.2019 to 06.03.2019	INFIBNET Centre, Gandhi Nagar, Gujarat	Dr. R. Ravichandran

**Book / Chapters published:**

1. Leelasankar., Kavisankar., Chellappan,C., & Sivasankar, P. (2018). Successful Computer Forensics Analysis on the Cyber Attack Botnet. In G. Shrivastava (Ed.), *Handbook of Research on Network Forensics and Analysis Techniques* (pp. 266-281). IGI Publishing Hershey, PA, USA.

**b) Papers Presented in Conferences:**

1. Felix Arokiya Raj. (2018). Utilizing Open Education Resources (OER) for Enhancing Teaching-Learning Process and Digital Literacy Skills for Educators. International Conference on "Transformations in Engineering Education Imparting Futuristic Skills" organized by the Indo-US Collaboration for Engineering Education (IUCEE) & SRM University, Amaravati, Andhra Pradesh.
2. Madhumohan, V., and Suresh, E.S.M. (2019). Probabilistic Seismic Hazard Assessment Model for GIS based Seismic Risk Study in Thiruvananthapuram City. International Symposium on "Disaster Resilience and Sustainable Development" at AIT, Bangkok, Thailand.

**c) Papers published in Journals:**

1. Venugopalan Nair., and Renukadevi, S. (2019). Deficiency in English Communication Skill Requirements among Fresh Engineering Graduates for Employability. *International Journal of English Language and Literary Theory* (Special issue).
2. Rathy, G. A., and Sivasankar, P. (2019). IoT based Classroom Automation using Zigbee. *International Journal of Innovative Science, Engineering & Technology*, 6(3): 98 -102.
3. Ishmael Nyirenda., and Giridharan, K. S. (2019). Designing a Curriculum for a Modular PG Diploma in University Teaching for Malawi using DACUM Approach. *International Journal of Research and Analytical Reviews*, 6(1): 81-94.
4. Kothandaraman, D., Chellappan, C., Sivasankar, P., and Syed Nawaz Pasha. (2019). Context-Aware Energy Conserving Routing Algorithm for Internet of Things. *International Journal of Computer Networks & Communications*, 11(3): 15-32.
5. Kavisankar, L., Chellappan, C., Venkatesan, S., and Sivasankar, P. (2018). Enhanced Efficient SYN Spoofing Detection and Mitigation Scheme for DDoS Attack. *International Journal of Internet Technology and Secured Transactions*, 8(4): 583-600.
6. Sahu, Umashanker., and Jinaga, B. C. (2018). Performance Enhancement in Long-Haul Optical Fiber Communication Using OBP. IEEE Xplore Digital Library DOI:10.1109/TENCON.2018.8650172

The faculty of the Institute served as resource persons for Development of Curricula by the Autonomous Polytechnics and Engineering Colleges in the southern States in addition to their professional assistance to AICTE, ISTE, MHRD, MEA, DOTEs, Deemed Universities and Autonomous Engineering Colleges and Polytechnics either as members of Expert Committees or as Resource Persons.

## **15.0 ACKNOWLEDGEMENTS**

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

- I. The Government of India, Ministry of Human Resource Development (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 31.03.2019)**

#### **Chairman**

**Prof. Dr. Allam Appa Rao** (up to 26.02.2019)  
Chairman – BOG of NITTTR, Chennai.

**Prof. Dr. V.S.S. Kumar** (From 27.02.2019)  
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 (DL&BP)**  
Department of Higher Education  
Ministry of Human Resource Development  
Govt. of India, Shastri Bhavan, New Delhi - 110 001.

#### **Joint Secretary and Financial Adviser (HRD)**

Integrated Finance Division  
MHRD, Department of Higher Education, Govt. of India,  
Shastri Bhavan, New Delhi - 110 001.

Representative of the AICTE

**Prof. Alok Prakash Mittal**

Member Secretary  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chanderlok Building  
Janpath, New Delhi - 110 001.

NITTTR Faculty Representative

**Dr. T. Gnana Sambanthan** (up to 30.09.2018)  
Professor & Head, Department of Computer Science  
& Engineering, NITTTR, Chennai - 600 113.

Five Directors of Technical Education

**Dr. G. Kulanthaivel** (from 18.02.2019)

Professor & Head  
Dept. of Electrical, Electronics and Communication  
Engineering, NITTTR, Chennai 600 113.

**The Director**

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

**The Director**

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**

Directorate of Technical Education  
Tantrika Shikshana Bhavan  
Place Road, Bangalore - 560 001, Karnataka.

**The Commissioner of Technical Education**

2nd Floor, Vidya Bhavan  
Opp.to Latha Talkies, Nampally  
Hyderabad - 500 001, Telangana.

**The Director of Higher and Technical Education**

Pipmate Complex,  
Lawspet Road, Puducherry - 605 008.

**Prof. Dr. A. Elayaperumal**

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

Two Industrialists/  
Technical Professionals

**Shri Pradeep Menon**

Chief Executive Officer  
Lakhshya Cybersecurity Labs,  
Eachanari, Coimbatore-641021

## B. FINANCE COMMITTEE

<b>Chairman</b>	<b>Prof. Dr. Allam Appa Rao</b> (up to 26.02.2019) Chairman – BOG of NITTTR, Chennai.
	<b>Prof. Dr. V.S.S. Kumar</b> (From 27.02.2019) Chairman – BOG of NITTTR, Chennai.
<b>Members</b>	<b>Joint Secretary (DL&amp;BP)</b> Department of Higher Education Ministry of Human Resource Development Government of India, Shastri Bhavan, New Delhi - 110 001.
	<b>Joint Secretary and Financial Adviser (HRD)</b> Integrated Finance Division Ministry of Human Resource Development Department of Higher Education Government of India Shastri Bhavan, New Delhi - 110 001.
<b>Member-Secretary</b>	<b>Prof. Dr. Sudhindra Nath Panda</b> Director, NITTTR, Taramani, Chennai

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

### 1. FACULTY SELECTION COMMITTEE [As per AICTE Norms]

<b>Members</b>	Chairman Board of Governors NITTTR, Chennai - 600 113.
	Director NITTTR, Chennai - 600 113.
	Head of the Department/Centre NITTTR, Chennai or Nominated by the Director in the rank of Professor
	Three Subject Experts An academician representing SC/ST/OBC/Minority/Women/Differently abled categories nominated by the Chairman of NITTTR, Chennai.

## **2. BUILDINGS COMMITTEE**

### **Chairman**

Dr. Selvi Rajan  
Chief Scientist & Head,  
Wind Engineering Laboratory  
CSIR - Structural Engineering Research Centre  
Chennai - 600 113.

### **Members**

Superintending Engineer  
Central PWD  
Chennai - 600 006.

Superintending Engineer  
(Technical Education Division)  
Public Works Department  
Government of Tamil Nadu  
Sardar Patel Road,  
Chennai - 600 025.

### **Member-Secretary**

Director  
NITTTR, Chennai 600 113.

## **3. DEPARTMENTAL PROMOTION COMMITTEE**

### **Chairman**

Shri D Lakshmanan  
Dy. Director General (Finance & Admin)  
NIWE, Chennai.

### **Members**

Dr. A Muthukrishnan  
Sr. Controller of Administration  
CLRI, Chennai - 600 020.

Shri V Swaminathan (40<sup>th</sup> DPC)  
Deputy Registrar (Administration)  
IIT, Madras, Chennai - 600 036.

Shri P.V. Karunakaran (41<sup>st</sup> DPC)  
Dy. Registrar(F&A)  
IIT, Madras, Chennai -600 036.

### **Special Invitee Members**

Shri M Kuppusamy  
Consultant (Admin)  
NITTTR, Chennai 600 113.

Deputy Registrar (Administration)  
IIT, Madras, Chennai - 600 036.

#### **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. T. Gnanasambanthan  
Professor & Head,  
Department of Computer Science and  
Engineering - **Chairman**  
(up to 27.09.2018)
- Dr. G Kulanthaivel  
Professor & Head  
Department of Electrical, Electronics and  
Communication Engineering - **Chairman** (From 28.09.2018)
- Dr. P. Malliga,  
Associate Professor  
Head i/c, Centre for Educational Media and  
Technology - Member
- Dr. G.A. Rathy  
Associate Professor  
Department of Electrical, Electronics and  
Communication Engineering - Member

**7. CHIEF VIGILANCE OFFICER**

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

**8. PUBLIC INFORMATION OFFICER**

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

**9. Constituting Internal Complaint Committee (ICC) regarding Sexual Harassment of Women at Work Place**

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

- Chairperson

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

- Member

Sr. Administrative Officer/ Office Superintendent  
NITTTR, Chennai

- Member

Smt. P. Kalaiselvi  
Stenographer Grade I

- Member

Smt. G Prathibha  
Upper Division Clerk

- Member

**10. PARTICULARS OF COMMITTEE MEETINGS**

	No.	Date	Venue
<b>Board of Governors</b>	38 <sup>th</sup>	29.05.2018	MHRD - New Delhi
	39 <sup>th</sup>	20.02.2019	NITTTR-Chennai
<b>Finance Committee</b>	37 <sup>th</sup>	29.05.2018	MHRD - New Delhi
	38 <sup>th</sup>	20.02.2019	NITTTR-Chennai
<b>NITTTR Chennai Society</b>	14 <sup>th</sup>	20.02.2019	NITTTR-Chennai
<b>DPC</b>	40 <sup>th</sup>	21.05.2018	NITTTR-Chennai
	41 <sup>st</sup>	08.03.2019	NITTTR-Chennai

## **11. LIST OF FACULTY**

<b>Centre for Research and Consultancy</b>	<b>Dr. Sudhindra Nath Panda,</b> Director
<b>Centre for Curriculum Development Planning and Coordination</b>	<b>Dr. T. Gnana Sambanthan,</b> Professor & Head i/c (up to 30.09.2018) <b>Dr. R. Santhakumar,</b> Professor & Head i/c (From 01.10.2018)
<b>Centre for Environmental Management</b>	<b>Dr. G. Janardhanan,</b> Associate Professor & Head i/c
<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>Dr. K.S. Giridharan,</b> Assistant Professor (up to 21.10.2018)
<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>Department of Civil &amp; Environmental Engineering</b>	<b>Dr. E.S.M Suresh,</b> Professor & Head, <b>Dr. K.S.A. Dinesh Kumar,</b> Assistant Professor
<b>Department of Computer Science and Engineering</b>	<b>Dr. T. Gnana Sambanthan,</b> Professor & Head (up to 30.09.2018) <b>Dr. V. Shanmuganeethi,</b> Assistant Professor, Head i/c From 01.10.2018)
<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> Assistant Professor

<b>Department of Engineering Education</b>	<b>Dr. S. Renukadevi,</b> Professor & Head  <b>Dr. K. S. Giridharan,</b> Assistant Professor (From 22.10.2018)
<b>Centre for Educational Management and Applied Psychology</b>	<b>Dr. R. Rajendran,</b> Associate Professor & Head i/c
<b>Department of Mechanical Engineering</b>	<b>Dr. T. Gnana Sambanthan,</b> Professor & Head i/c (up to 30.09.2018) <b>Er. M. Senthilkumar,</b> Assistant Professor & Head i/c (From 01.10.2018)
<b>Extension Centre, Bangalore</b>	<b>Dr. S. Somasundaram,</b> Assistant Professor  <b>Er. V. Sivakumar,</b> Associate Professor & Head i/c,
<b>Extension Centre, Hyderabad</b>	<b>Dr. Umasanker Sahu,</b> Associate Professor & Head i/c
<b>Extension Centre, Kalamassery</b>	<b>Dr. S. Somasundaram</b> Assistant Professor & Head i/c (From 01.02.2018 to 30.04.2018)  <b>Dr. Sobha Cyrus,</b> Professor & Head i/c (From 01.05.2018)
<b>Extension Centre, Vijayawada</b>	<b>Dr. C.R. Nagendra Rao</b> Professor & Head
<b>Resource Centre</b>	<b>Dr. R. Ravichandran,</b> Sr. Librarian
<b>HOSTEL Warden</b>	<b>Dr. Sudhindra Nath Panda</b> Director
<b>Deputy Warden</b>	<b>Dr. P. Malliga</b> Associate Professor & Head i/c Centre for Educational Media and Technology
<b>Assistant Warden</b>	<b>Dr. S. Somasundaram</b> Assistant Professor Dept. of Mechanical Engineering
	<b>Dr. P. Sivasankar</b> Assistant Professor Dept. of Electrical, Electronics and Communication Engineering

## **Part – II**

# **REPORT ON ACCOUNTS 2018-19**

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

**Separate Audit Report of the Comptroller & Auditor General of India on the Accounts  
of the National Institute of Technical Teachers Training and Research, Chennai for the  
year ended 31 March 2019**

We have audited the attached Balance Sheet of the National Institute of Technical Teachers' Training and Research, Chennai as at 31 March 2019, 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 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. As per Schedule 2 – Designated/Earmarked/Endowment Fund- Balances shown against the heads viz PWD Scheme, AICTE SDP and Rajiv Gandhi N F/W remained inoperative for a period of 10 years need confirmation. Further, balance of "Rajiv Gandhi National Fellowship" as per Schedule 2 was ₹24,022, whereas it was ₹4605.90 as per Schedule 7. The difference was not reconciled.
2. Provision for retirement benefits had not been made on actuarial valuation basis as stipulated in Accounting Standards 15.
3. Liability of ₹96,42,775 shown in the Balance Sheet of Project as 'Project WIP' pertaining to the year 2009-10 to 2014-15 were old and not confirmed with the sponsors. It was not reconciled inspite of pointing out repeatedly in the SAR.

4. Project Receipts and payments of ₹72,58,500 and ₹24,35,754 were not shown in Project Income and Expenditure Account. As per I & E Account, Project Income and Project Expenditure were shown as NIL.
5. As per the Balance Sheet of Project Account, opening Balance and closing balance indicate negative figures every year. It was not reconciled inspite of pointing out repeatedly in the SAR.
6. An amount of ₹14,69,721 was shown as Liability in the Balance Sheet of Provident Fund Account and the same amount was shown as Asset in the Balance Sheet of NPS Account as contra. This is a persistent comment in previous SARs remaining un-reconciled/un-rectified.

#### **B Effect of Revision in Accounts**

Based on audit observations, accounts of National Institute of Technical Teachers' Training and Research, Chennai were revised. As a result of revision, Assets and Liabilities were increased by ₹16.19 crore and deficit decreased by ₹0.41crore.

#### **C Grants-in-aid**

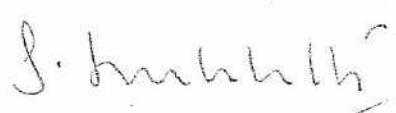
Out of the Grants-in-aid of ₹29.16 crore received for the year 2018-19 and ₹19.09 crore being unspent balance of the previous year, the Institute could utilize ₹47.80 crore leaving a balance of ₹44.60 lakh as unutilized grant as on 31 March 2019.

- 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 2019; and
- b. In so far as it relates to Income & Expenditure Account, of the deficit for the year ended on that date.

for and on behalf of the C&AG of India

Place:

Date : 01.06.2020

  
Director General of Audit (Central), Chennai

## Annexure to Separate Audit Report

**7. Adequacy of Internal Audit System:**

Internal audit system was not adequate. Internal audit was not conducted for the year 2018-19.

**8. Adequacy of Internal Control System:**

Internal control system was inadequate for the following reasons:

- i. Internal audit not conducted.
- ii. Certain items of deposits from students, sundry creditors, statutory liabilities and other current liabilities and Institutes contribution to OTC Account were not traced out/ identified/reconciled.
- iii. Consolidated Fixed Assets Register was not maintained.

**9. System of Physical verification of Fixed Assets and Inventories:**

Physical verification of Fixed Assets and Inventories was not done for 2018-19.

**10. Regularity in payment of statutory dues**

The Institute was regular in payment of statutory dues.



A handwritten signature consisting of a stylized 'A' and a wavy line extending to the right, followed by the text "Director/CE".

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

**ANNUAL ACCOUNTS  
2018-19**

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113**  
**BALANCE SHEET AS AT 31.03.2019**

		Amount in Rs.		
SOURCES OF FUNDS		Schedule	Current Year 2018-19	Previous Year 2017-18
CORPUS/CAPITAL FUND	1	785021979.43	403231607.52	
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	360151.00	360151.00	
CURRENT LIABILITIES & PROVISIONS	3	59554980.39	254996575.97	
<b>TOTAL</b>		<b>844937110.82</b>	<b>658588334.49</b>	
APPLICATION OF FUNDS		Schedule	Current Year 2018-19	Previous Year 2017-18
<b>FIXED ASSETS</b>	4	441331435.00	246500559.00	
Tangible Assets				
Intangible Assets				
Capital Works-In-Progress				
<b>INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b>	5			
Long Term				
Short Term				
<b>INVESTMENTS- OTHERS</b>				
<b>CURRENT ASSETS LOANS</b>	6	206967915.25	93882477.49	
<b>ADVANCES &amp; DEPOSITS</b>	7	1966637760.57	318205298.00	
<b>TOTAL</b>	8	<b>844937110.82</b>	<b>658588334.49</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 31.03.2019**

		Amount in Rs.		
		Particulars	Schedule	Current Year 2018-19
				Previous Year 2017-18
<b>INCOME:</b>				
Academic Receipts		9	357551.00	753150.00
Grants / Subsidies		10	266226350.58	248966022.46
Income from investments		11	2874959.00	83220.00
Interest earned		12	123480.00	38317.00
Other Income		13	2204009.91	6075313.49
Increase/Decrease in Stock WIP				
Prior Period Income		14	4696944.00	222687.00
<b>TOTAL (A)</b>			276483294.49	256138709.95
<b>EXPENDITURE</b>				
Staff Payments & Benefits (Establishment expenses)		15	209265122.00	195905384.00
Academic Expenses		16	0.00	0.00
Administrative and General Expenses		17	19836033.58	15325474.46
Transportation Expenses		18	183500.00	249524.00
Repairs & Maintenance		19	3042553.00	2849694.00
Finance costs		20	0.00	0.00
Depreciation		4	12107847.00	9822049.00
Other Expenses		21	0.00	0.00
Prior Period Expenses		22	1457980.00	1153734.00
Plan General Expenses		23	33899142.00	34635946.00
<b>TOTAL (B)</b>			279792177.58	259941805.46
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			-3308883.09	-3803095.51

Significant Accounting Policies  
Contingent Liabilities and Notes to Accounts

**SCHEDULE -1 CORPUS/CAPITAL FUND**

Particulars		Current Year 2018-19	Previous Year 2017-18	Amount in Rs.
Balance at the beginning of the year		403231607.52	258664276.03	
Add: Contributions towards Corpus/Capital Fund		3223140.00		
Add: Contributions towards Corpus/Capital Fund - OTC		129624567.00		
Add: Grants from UGC, Government of India and State Government to the utilized for capital expenditure		211772530.00	149176456.00	
Add: Contributions towards Corpus/Capital Fund - SWAYAM		41191720		
Add: Assets Purchased out of Earmarked Funds				
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution				
Add: Assets Donated/Gifts Received				
Add: Outstanding Expenses 2016-17 Opening Diff				
	Total	789043564.52	407934014.03	93282.00
Less: Over statement of accrued interest FY 2016-17			-899311.00	
Less: Project Account - Capital Fund		-1314114.00		
Less: EB Deposit added in Electricity charges for the past years		601412.00		
Plan Grant Revenue Expenditure				
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account		-3308883.09	-3803095.51	
	Total	785021979.43	403231607.52	
	(Deduct) Deficit transferred from the Income & expenditure Account			
	Balance at the year end			

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

Particulars		Amount in Rupees					
		PWD	AICTE	Rajiv Gandhi	Current	Previous	Total
		Scheme	SDP	N F/W	Year	Year	
<b>A.</b>							
a) Opening Balance		293029.00	43100.00	24022.00	360151.00	360151.00	
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>		293029.00	43100.00	24022.00	360151.00	360151.00	
<b>B.</b>							
Utilisation/Expenditure towards objectives of funds							
i) Capital Expenditure							
ii) Advance to CPWD							
ii) Revenue Expenditure							
<b>Total (B)</b>		0.00	0.00	0.00	0.00	0.00	
<b>Closing balance at the year end (A - B)</b>		293029.00	43100.00	24022.00	360151.00	360151.00	
<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.

Sl.No	1. Name of the Endowment	2. Opening Balance on 1.4.2018	Additions during the Year			Total	Expenditure on the object during the year	Closing Balance on 31.03.2019	Amount in Rupees Total (10+11)
			3	4	5	6	7	8	
	Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4+6)			
						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**

		<b>Current Year 2018-19</b>	<b>Amount in Rupees 2017-18</b>
<b>A. CURRENT LIABILITIES</b>			
1. Deposits from Staff		71,860.00	70,000.00
Caution Deposit for staff Quarters		241,582.00	241,582.00
Staff Quarters			
2. Deposits from Students		25,500.00	25,500.00
Caution Deposit for Ph.D		224,875.00	224,875.00
Scholarship for M.Tech - HRD Deposit		42,480.00	42,480.00
Boarding Charges - Hostel		170,000.00	170,000.00
Research Scholar - FIP		2,000.00	2,000.00
Emerging Area Course Fees Refundable			
3. Sundry Creditors		81,889.00	81,889.00
a) For Goods & Service		2,731.00	2,731.00
Cofmow Equipments		852,369.00	711,034.00
Tamil Nadu Book House			
b) Others			
4. Deposit- Others (including EMD, Security Deposit)			
AICTE UKIERI Work shop		791,245.00	831,245.00
Earnest Money Deposit		59,902.00	56,482.00
Community Hall Deposit		8,000.00	8,000.00
Caution Deposit for Canteen		760,761.00	708,051.00
Security Deposit			
GSLIS			
5. Statutory liabilities ( GPF, TDS WC TAX, CPF, GIS, NPS):			
a) Overdue			
b) Others		130,382.00	130,382.00
Property Tax Payable			
Duties and Taxes		263,207.00	268,109.00

6. Other Current Liabilities			
a) Salaries			
b) Receipts against Sponsored Projects			
OTC	3,376,528.00	35,544,563.00	
Project Account 2013-14	8,214,248.00	8,214,248.00	
Project Account Liabilities of 2018-19	13,137,245.00		
c) Receipts against sponsored fellowships & Scholarships			
d) Unutilised Grants	4,460,757.39	190,909,637.97	
e) Grants in advance			
f) Other funds : Corpus Fund	1,294,000.00	1,294,000.00	
GPF - Interest on Special Deposit (to be transferred to GPF)	215,987.00		
g) SWAYAM Sponsored Projects	1,524,389.00	1,546,461.00	
h) Other Liabilities :			
IDDS	4309685.00	2,070,185.00	
CPSC	46072.00		
NIWE	175894.00	112,998.00	
SP-02 IM&ID Anna U	55863.00	55,863.00	
TNSCB PROG	881290.00	881,290.00	
Training BHUTAN Pro	583466.00	583,466.00	
DST NIMAT Training Programme	500000.00		
ITP on EIT and RB&I (Indonesia)	1886576.00		
	44,390,783.39	244,787,071.97	
		Total (A)	
<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	7,171,429.00	6,851,720.00	
Pension Payments	4,388,244.00	3,357,784.00	
Maintenance expenses like Security & House keeping charges, Water charges, etc.	-		
Electrical Maintenance			
Audit Fees Payable			
		Total (B)	
	15,164,197.00	10,209,504.00	
	59,554,980.39	254,996,575.97	
		Total (A+B)	

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

1. Sl. No.	2. Name of the Project	Opening Balance on 1.4.2018		5. Receipts/ Recoveries during the year	6. Total	7. Expenditure during the year	Amount in Rupees	
		3. Credit	4. Debit				8. Credit	9. Debit
IDDS		2,070,185.00		2,742,600.00	4,812,785.00	503,100.00	4,309,685.00	
CPSC		(16,429.00)		130,624.00	114,195.00	68,123.00	46,072.00	
NIWE PROGRAMME		112,998.00		180,000.00	292,998.00	117,104.00	175,894.00	
SP-02 IM&ID Anna U		55,863.00			55,863.00		55,863.00	
TNSCB PROG		881,290.00			881,290.00		881,290.00	
Training BHUTAN Prog		583,466.00			583,466.00		583,466.00	
ITP on EIT & RB&I (Indonesia)		-		1,886,576.00	1,886,576.00		1,886,576.00	
					-		-	
	Total	3,687,373.00		4,939,800.00	8,627,173.00	688,327.00	7,938,846.00	-

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

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

1. SI No	2. Name of Sponsor	Opening Balance As On 01.04.2018				Transactions During the year				Closing Balance As On 31.03.19	
		3 Cr.	4 Dr.	5 Cr.	6 Dr.	7 Cr.	8 Dr.				
1	University Grants Commission										
2	Ministry.....										
3	Others (Specify individually)										
	Total										

Note:

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

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

Amount in Rupees			
	Current Year 2018-19	Previous Year 2017-18	
<b>A. Plan grants: Government of India</b>			
Balance B/F	190,909,637.97		
Add: Receipts during the year	291,550,000.00		
	<b>Total (a)</b>	482,459,637.97	
<b>Less Refunds</b>			
Less: Utilized for Revenue Expenditure	266,226,350.58		
Less: Utilized for Capital expenditure	210,151,417.00		
	<b>Total(b)</b>	476,377,767.58	
Unutilized carried forward (a-b)		6,081,870.39	
<b>B. UGC grants: Plan</b>			
Balance B/F			
Receipts during the year			
	<b>Total (c)</b>	NIL	
<b>Less Refunds</b>			
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
	<b>Total (d)</b>	NIL	
Unutilized carried forward (c-d)			

<b>C. UGC Grants Non Plan</b>								
Balance B/F								
Receipts during the year								
				<b>Total (e)</b>				
Less Refunds				NIL				
Less: Utilized for Revenue Expenditure								
Less: Utilized for capital expenditure								
				<b>Total (f)</b>				
Unutilized carried forward (e - f)				NIL				
<b>D. Grants from State Govt.</b>								
Balance B/F								
Receipts during the year								
				<b>Total (g)</b>				
Less: Utilized for Revenue Expenditure				NIL				
Less: Utilized for capital expenditure								
				<b>Total (h)</b>				
Unutilized carried forward (g - h)				NIL				
<b>*Grand Total (A+B+C+D)</b>				<b>6,081,870.39</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:

Amount in Rupees

Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2018-19				Total Depreciation	31.03.19	31.03.18
		Op Balance 01.04.2018	Additions	Deductions	Closing Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment				
1	Land :Free Hold	268500			268500	0			0	268500	268500	
2	Site Development				0	0			0	0	0	
3	Buildings	193207362			16362063	3864147			20226210	189343215	193207362	
4	Roads & Bridges				0				0	0	0	
5	Tubewells & Water Supply				0				0	0	0	
6	Sewerage & Drainage				0				0	0	0	
7	Electrical Installation and equipment	85420			85420	43378	4271		47649	81149	85420	
8	Plant & Machinery	10300320			10300320	5178397	515016		5693413	9785304	10300320	
9	Scientific & Laboratory Equipment				0	0			0	0	0	
10	Office Equipment	17631345	27045560		44676905	3240417	3350768		6591185	41326137	17631345	
11	Audio Visual Equipment (Swayam)	606414			606414	89087	89087		178174	428240		
12	Computers & Peripherals	8821158	5379460		14200618	9795784	2840124		12635908	11360494	8821158	
	Corpus Fund Laptops		1014699		1014699					1014699		
13	Furniture, Fixtures & Fittings	4639617	24890		4664417	1968951	349831		2318782	4314586	4639617	
14	Vehicles	212068			212068	189992	21207		211199	190861	212068	
15	Lib. Books & Scientific Journals	1771531	1291594		3063125	1472078	306313		1778391	2756812	1771531	
16	Smart Classroom				0	0			0	0	0	
17	Small Value Assets	3089166	334559		3423725	1163462	256779		1440241	3166946	3089166	
	Total (A)	240026487	35697086	0	275723573	39523609	11597543	0	51121152	264036943	240026487	
18	Capital Work in Progress											
	Class Room Construction WIP	0	113384153		113384153					113384153	0	
	Building Renovation WIP	0	62691291		62691291					62691291	0	
	Computers-WIP	4744720	4744720	0						4744720		
	Total (B)	4744720	176075444	4744720	176075444				176075444	4744720		
	<b>Grand Total (A+B+C)</b>	246500559	211772530	4744720	45352369	40,941,121.00	12107847		0	53,048,968.00	441331435	246500559

**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

Sl. No.	Assets Heads	Gross Block			Depreciation for the Year 2018-19			Amount in Rupees	
		Op Balance 01.04.2018	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciat ion for the Year	Total Depreciat ion / Adjustment	31.03.2019
1	Land								31.03.2018
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								
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)								
	Grand Total (A+B*C)								
S.No	Intangible Assets	Op Balance 01.04.2018	Additions	Deductions	CI Balance	Dep Opening Balance	Amortizati on for the Year	Deductions/ Adjustments	Total Amortizations/ Adjustments
18	Computer Software								
19	E-Journals								
20	Patents								
	Total (C)								

**SCHEDULE 4B NON - PLAN**

Sl. No.	Assets Heads	Gross Block			Depreciation for the Year 2018-19			Net Block		
		Op Balance 01.04.2018	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciat ion for the Year	Deductio ns / Adjustment	Total Depreciation	31.03.19
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 01.04.2018			CI Balance		Dep Opening Balance	Amortizati on for the Year	Total Amortization/ Adjustments	
		Additions	Deductions					Deductio ns / Adjustments	31.03.19	31.03.18
18	Computer Software									
19	E-Journals									
20	Patents						Nil			
<b>Total (C)</b>										
<b>Grand Total (A+B+C)</b>										

**SCHEDULE 4 C- INTANGIBLE ASSETS**

Sl. No.	Asset Heads	Gross Block			Depreciation Block			Amount in Rupees			
		Op. Balance 01.4.2018	Additions	Deductions	C.I. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortizations for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03.19	31.03.18
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 2018-19	Net Block 2017-18
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							
<b>Total</b>							
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							
<b>Total</b>							
c. Grand Total (A+B)							

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

**SCHEDULE 4D OTHERS**

Amount in Rupees

Sl. No.	Assets Heads	Gross Block			Depreciation for the Year 2018-19			Net Block 31.03.19
		Op Balance 01.04.2018	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	
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							
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 2018-19	Previous Year 2017-18
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)**

Sl. No.	Funds	Amount in Rupees	
		Current Year (2018-19)	Previous Year (2017-18)
1			
2			
3			
4			
5	<b>Endowment Fund Investments</b>		
	<b>Total</b>		

Note: The Total in this sub scheudle will agree with the total in Scheudle 5.

**SCHEDULE 6 - INVESTMENTS - OTHERS**

	Amount in Rupees	
	Current Year 2018-19	Previous Year 2017-18
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 2018-19	Previous Year 2017-18
<b>1. Stock:</b>		
a) Stores and Spares		
b) Loose Tools		
c) Publications		
d) Laboratory chemicals, consumables and glass ware	6,376.00	6,376.00
e) Building Material	101,200.00	101,200.00
f) Electrical Material		
g) Stationery		
h) Water supply material		
i) Postage	12,658.00	12,658.00
<b>2. Sundry Debtors:</b>		
a) Debts Outstanding for a period exceeding six months		
b) Others :	33,240.00	33,240.00
<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)	68,667.00	71,447.00
In Bank Balance	206,708,823.08	64,403,257.32
In Bank Balance - Statutory payment (CD A/c 3001)	4,626.00	
In Bank Balance Rajiv Gandhi National Fellowship	4,605.90	4,605.90
In Bank Balance Athletic	27,719.27	26,643.27
<b>Fund Transfer</b>		
AXIS Bank OTC Transfer	11,876,994.00	
CANARA Bank OTC Transfer	17,346,056.00	
<b>b) With non-Scheduled Banks:</b>		
- In term deposit Accounts		
- In Savings Accounts		
<b>4. Post Office- Savings Accounts</b>		
<b>TOTAL</b>	206,967,915.25	93,882,477.49

Note: Annexure A shows the details of Bank Accounts  
**Bank balances of OTC, Project, Corpus and Swayam Funds are included in the Bank Balance**

**Annexure - A**

**Details of Bank Accounts - Main and Other Accounts**

S. No.	Name of the Bank	Bank Account Number	Closing balance as on 31.03.2019 (Rs.)
	<b>MAIN ACCOUNT</b>		
1	Indian Overseas Bank	041802000000001	9655666.34
2	Indian Overseas Bank	041801000000099	106995.31
	Indian Overseas Bank FFD	041801000000099	12978000.00
3	Canara Bank	2649201000193	2868089.00
4	Canara Bank	2649101010260	1422380.00
	Canara Bank FFD	2649101010260	894192.00
5	Canara Bank	2649132000013	121110.00
			<b>28046432.65</b>
6	Indian Overseas Bank	041801000024450	4605.90
7	TNSC Bank	0000202001947	27719.27
	<b>PROJECT ACCOUNT</b>		
8	Indian Overseas Bank	041801000000101	25187.43
	Indian Overseas Bank FFD	041801000000101	11672000.00
	<b>OTC ACCOUNT</b>		
9	Canara Bank	2649101010094	63731470.00
	Canara Bank FFD	2649101010094	30585109.00
10	AXIS Bank	910010043377429	29783790.00
	<b>CORPUS FUND A/C</b>		
11	Indian Overseas Bank	041801000030101	2208441.00
	<b>SWAYAM ACCOUNT</b>		
12	Canara Bank	2649101010177	40656393.00
			<b>178662390.43</b>

Grand Total (excluding 6 & 7)

**206708823.08**

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

	Amount in Rupees	Current Year 2018-19	Previous Year 2017-18
<b>1. Advances to employees: (Non-interest bearing)</b>			
a) Salary			
b) Festival	144,199.00	189,199.00	
c) Medical Advance	13,080.00	13,080.00	
d) Other (to be specified)			
Computer Advance	106,300.00	197,000.00	
Conveyance Advance	73,230.00	138,590.00	
Flood Loan Advance	12,200.00	12,200.00	
Persons with Disabilities	13,893.00	13,893.00	
Loan to PF a/c	50,000.00	50,000.00	
LTC Advance	36,800.00		
<b>2. Long Term Advances to employees: (Interest bearing)</b>			
a) Vehicle loan			
b) Home loan : House building advance	33,129.00	93,609.00	
c) Others (to be specified) Other staff	9,237.00	9,237.00	
<b>3. Advances and other amounts recoverable in cash or in kind or for value to be received:</b>			
a) On Capital Account			
b) Permanent advance	618,684.00	431,100.00	
c) Temporary Advance - Main Account, OTC, Project and Swayam	4,431,216.57	318,300.00	
d) Entrepreneurship prog	259,936.00	229,977.00	
e) Others :	92,242.00	92,242.00	
f) UNESCO Project	85,562.00		
<b>4. Prepaid Expenses</b>			
a) Insurance			
b) E Journal Subscription			
c) AMC Lab and Office Equipment			

5. Deposits			
a) Telephone	93,409.00	93,308.00	
b) Lease Rent			
c) Electricity	732,920.00		
d) ACTE, if applicable			
e) Others (to be specified)			
Community Hall Deposit	673.00	673.00	
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	119,734,077.00	117,926,194.00	
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	447,000.00	447,000.00	
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	83,220.00		

7. Other - Current assets receivable from UGC/sponsored projects			
a) Debit balances in Sponsored Projects :SWAYAM Project Expenses Recoverable	1,550,409.00	1,550,409.00	
b) Debit balances in Sponsored Fellowships & Scholarships			
ICT	50,253.00	50,253.00	
National Ws on KOHA	33,228.00	33,228.00	
Board of Apprentices Training	1,968.00	1,968.00	
GSLIS	27,689.00	27,689.00	
c) Grants Receivable	67,263,000.00	135,650,000.00	
d) Other : CPSC		16,429.00	
E) Income receivable	259,179.00	122,506.00	
8. Claims Receivable			
<b>TOTAL</b>	<b>196,637,760.57</b>	<b>318,205,298.00</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**

		Current Year 2018-19	Previous Year 2017-18	Amount in Rupees
<b>FEES FROM STUDENTS</b>				
<b>Academic</b>				
1. Tuition fee Ph.D	120,000.00		230,500.00	
Tuition fee M. Tech				
Staff Development Programmes	237,551.00			
2. Admission fee Ph.D			26,000.00	
Admission fee M.Tech				
3. Enrolment fee/Course Fees			496,650.00	
4. Library Admission fee				
5. Laboratory fee				
6. Art & Craft fee				
7. Registration fee				
8. Syllabus fee				
	<b>Total (A)</b>	357,551.00		753,150.00
<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				
3. Medical fee				
4. Transportation fee				
5. Hostel fee				
	<b>Total (C)</b>			
	-			
<b>Sale of Publications</b>				
1. Sale of Admission/Application forms				
2. Sale of syllabus and Question Paper, etc.				
3. Sale of prospectus including admission forms				
	<b>Total (D)</b>			
	-			
<b>Other Academic Receipts</b>				
1. Registration fee for workshops, programmes				
2. Registration fees (Academic Staff College)				
3. IDDI Receipts				
	<b>Total (E)</b>			
	-			
<b>GRAND TOTAL (A+B+C+D+E)</b>	357,551.00			753,150.00

Note:

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

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

Particulars	PLAN		GOI		Total Plan		NON PLAN		GOI		Total Non Plan		Current Year		Amount in Rupees	
	UGC	Plan Capital	Plan General	UGC	Non Plan Salary	UGC	Non Plan	General	UGC	Non Plan	General	UGC	Non Plan	Total 2018-19	Total 2017-18	
Balance B/F	68,223,868.00	154,921,545.97	223,145,413.97	(30,078,351.00)	(2,157,425.00)	(32,235,776.00)	190,909,637.97	195,452,116.43								
Add: Receipts during the year	80,000,000.00	99,050,000.00	179,050,000.00	110,113,000.00	2,387,000.00	112,500,000.00	291,550,000.00	393,600,000.00								
<b>Total</b>	<b>148,223,868.00</b>	<b>253,971,545.97</b>	<b>402,195,413.97</b>	<b>80,034,649.00</b>	<b>229,575.00</b>	<b>80,264,224.00</b>	<b>482,459,637.97</b>	<b>589,052,116.43</b>								
Less: Refund to UGC																
Balance	148,223,868.00	253,971,545.97	402,195,413.97	80,034,649.00	229,575.00	80,264,224.00	482,459,637.97	589,052,116.43								
Less: Utilised for Capital expenditure (A)	211,772,530.00		211,772,530.00						-	211,772,530.00						
Balance	(63,548,662.00)	253,971,545.97	190,422,883.97	80,034,649.00	229,575.00	80,264,224.00	270,687,107.97	439,875,660.43								
Less: utilized for Revenue Expenditure (B)		56,961,228.58	56,961,228.58	209,265,122.00		209,265,122.00	266,226,350.58	248,966,022.46								
Balance C/F (C)	(63,548,662.00)	197,010,317.39	133,461,655.39	(129,230,473.00)	229,575.00	(129,000,898.00)	4,460,757.39	190,909,637.97								

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.

Capital Expenditure (A) included Assets of Swayam & Corpus Fund  
Rs.162113 (606414+1014699)

**SCHEDULE 11 - INCOME FROM INVESTMENTS**

Amount in Rupees					
Particulars	Earmarked / Endowment Funds		Other Investments		Previous Year 2017-18
	Current Year 2018-19	Previous Year 2017-18	Current Year 2018-19	Previous Year 2017-18	
1. Interest					
a. On Government Securities					
b. Other Bonds/Debentures					
2. Interest on Term Deposits/SFD			921,717.00		
Less: Accured Interest of last year			(83,220.00)		
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees			83,220.00		
4. Interest on Savings Bank Accounts including FFD Interest			2,036,462.00		
Total				2,874,959.00	83,220.00
Transferred to Earmarked/Endowment Funds					
Balance		Nil		Nil	

Note: Interest accrued but not due on Term Deposits from HBA fund, conveyance advance fund and Computer Advance fund 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**

		Amount in Rupees		
		Particulars	Current Year 2018-19	Previous Year 2017-18
1.	On Savings Accounts with scheduled banks			2,549.00
2	On Loans			
	a. Employees/Staff			
	b. Others : i) Interest on Conveyance Advance		6,373.00	14,670.00
	ii) Interest on Computer Advance		117,107.00	21,098.00
3.	On Debtors and Other Receivables			
	Total		123,480.00	38,317.00

Note:

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

**SCHEDULE 13. OTHER INCOME**

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

		Amount in Rupees
	Current Year 2018-19	Previous Year 2017-18
<b>A. Income from Land &amp; Buildings</b>		
1. Hostel Room Rent	89,740.00	366,053.00
2. License fee	289,573.00	434,361.00
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4. Electricity charges recovered		
5. Water charges recovered		
6. Tender Fees	5,000.00	5,600.00
7. Staff Quarters Rent	1,159,041.00	1,456,919.00
8. Guest House Room Rent	154,335.00	88,200.00
9. Rent for Institute Premises		
10. Community Hall Rent	900.00	
<b>Total</b>	<b>1,698,589.00</b>	<b>2,351,133.00</b>
<b>B. Sale of institute's publications</b>		
1. Sale of Books and CDs	2,193.00	101,832.00
<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.)	357,200.00	
Less: Direct expenditure incurred on the fetes (Workshops, Seminars, etc.)	103,745.00	
<b>Net</b>	<b>253,455.00</b>	
3. Gross Receipts for educational tours		
Less: Direct expenditure incurred on the tours		
4. Others : Remn to institute Faculty staff		75,000.00
Institute Overhead Project		
Faculty Development Prog		151,100.00
IDDS		
Misc Revenue Receipts	144,626.00	1,045,422.03
<b>Total</b>	<b>2,098,863.00</b>	<b>3,724,487.03</b>

<b>D. Others</b>	<b>Current Year 2018-19</b>	<b>Previous Year 2017-18</b>
1. Income from consultancy		
2. RTI fees	140.00	
3. Income from Royalty	105,006.91	1,676.46
4. Sale of application form (recruitment)		
5. Misc. receipts (Sale of tender form, waste paper, etc.)		
Machinery scrap items	864,000.00	
6. Profit on Sale/disposal of Assets		
a) Owned assets		
b) Assets received free of cost		
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations		
8. Others (specify)		
STD		
Training Programme for Bhutan Participants		1,300,000.00
AICTE UKIERI Workshop		185,150.00
6th PCP Pay Recovery Salary		
<b>Total</b>	105,146.91	2,350,826.46
<b>Grand Total (A+B+C+D)</b>	2,204,009.91	6,075,313.49

**SCHEDULE 14 - PRIOR PERIOD INCOME**

Particulars	Current Year 2018-19	Previous Year 2017-18	Amount in Rupees
1. Academic Receipts			
2. Income from Investments			
3. Interest earned			
Guest House Room Rent (2017-18)	4,560,271.00		
4. Other Income	136,673.00	222,687.00	
<b>Total</b>	<b>4,696,944.00</b>	<b>222,687.00</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

	Current Year 2018-19			Previous Year 2017-18			Amount in Rupees
	Plan	Non Plan	Total	Plan	Non Plan	Total	
a) Salaries and Wages	-	95,781,148.00	95,781,148.00		118,462,125.00	118,462,125.00	
b) Allowances and Bonus(Adhoc Bonus)					19,285.00	19,285.00	
c) Contribution to Provident Fund				-		-	
d) Contribution to Other Fund (specify)				-		-	
e) Staff Welfare Expenses				-		-	
f) Retirement and Terminal Benefits				-		-	
g) LTC facility	595,818.00	595,818.00	595,818.00	208,137.00	208,137.00	208,137.00	
h) Medical facility/Reimbursement	1,793,466.00	1,793,466.00	1,793,466.00	2,350,637.00	2,350,637.00	2,350,637.00	
i) Children Education Allowance				-	367,811.00	367,811.00	
j) Others				-		-	
l) Others: Professional Development Allowance	688,593.00	688,593.00	688,593.00	626,275.00	626,275.00	626,275.00	
<b>TOTAL</b>	<b>98,859,025.00</b>	<b>98,859,025.00</b>	<b>98,859,025.00</b>	<b>122,034,270.00</b>	<b>122,034,270.00</b>	<b>122,034,270.00</b>	

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

					Amount in Rupees
		Pension	Gratuity	Leave Encashment	Total
<b>Opening Balance as on 01.04.2018</b>					
<b>Addition: Capitalized value of Contributions Received from other Organizations</b>					
<b>Total (a)</b>					
Less: Actual Payment during the Year (b)		70,852,268.00	13,674,123.00	7,018,907.00	91,545,298.00
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		1,502,470.00			1,502,470.00
C. Medical Reimbursement to Retired Employees					-
D. Travel to Hometown on Retirement					-
E. Deposit Linked Insurance Payment					-
F. Commutation of Pension		17,358,329.00			17,358,329.00
G. Leave salary and pension contribution					-
		89,713,067.00	13,674,123.00	7,018,907.00	110,406,097.00
<b>Total (A+B+C+D+E)</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 2018-19			Previous Year 2017-18		
	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)						
<b>TOTAL</b>						-

**SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES**

		Current Year 2018-19			Previous Year 2017-18			Amount in Rupees
		Plan	Non Plan	Total	Plan	Non Plan	Total	
<b>A Infrastructure</b>				-			-	
a) Electricity and power		3,707,180.00	3,707,180.00			4,025,733.80	4,025,733.80	
Deposit to TANGEDCO (Electricity) deducted (Rs. 131508)								
b) Water charges		1,553,740.00	1,553,740.00			1,821,341.00	1,821,341.00	
c) Insurance				-			-	
d) Rent, Rates and Taxes (including property tax)				-			-	
Property Tax				-			-	
Service Tax				-			-	
Water Tax				-			-	
<b>B Communication</b>				-			-	
e) Postage and Stationery		128,968.00	128,968.00			136,214.00	136,214.00	
f) Telephone, Fax and Internet Charges		227,669.00	227,669.00			381,213.46	381,213.46	
<b>C Others</b>				-			-	
g) Printing and Stationery (consumption)				-			-	
h) Travelling and Conveyance Expenses		11,130.00	11,130.00			1,590.00	1,590.00	
i) Hospitality				-			-	
j) Auditors Remuneration				-			-	
k) Professional Charges : Legal Charges		59,500.00	59,500.00			98,270.00	98,270.00	
l) Advertisement and Publicity		54,790.00	54,790.00			492,100.00	492,100.00	
m) Magazines & Journals				-			-	
n) Others : Repairs		611,401.00	611,401.00			341,278.00	341,278.00	
Contingencies		3,505,632.00	3,505,632.00			2,852,529.20	2,852,529.20	
Security Charges		9,057,052.00	9,057,052.00			5,030,495.00	5,030,495.00	
Misc Expenditure :		13,299.58	13,299.58			-	-	
Golden Jubilee Celebration		905,672.00	905,672.00					
<b>TOTAL</b>		19,836,033.58	19,836,033.58			15,325,474.46	15,325,474.46	

**SCHEDULE 18- TRANSPORTATION EXPENSES**

Particulars	Amount in Rupees					
	Current Year 2018-19			Previous Year 2017-18		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)			-			-
a) Running expenses			-			-
b) Repairs & maintenance	183,500.00		183,500.00		249,524.00	249,524.00
c) Insurance expenses			-			-
2 Vehicles taken on rent/lease			-			-
a) Rent/lease expenses			-			-
3 Vehicle (Taxi) hiring expenses			-			-
<b>Total</b>	183,500.00		183,500.00	249,524.00		249,524.00

**SCHEDULE 19 . REPAIRS & MAINTENANCE**

Particulars	Current Year 2018-19			Previous Year 2017-18			Amount in Rupees
	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	85,164.00	85,164.00	85,164.00	-	-	-	-
l) Others : Guest House Expenditure	2,887,489.00	2,887,489.00	2,887,489.00	2,849,694.00	2,849,694.00	2,849,694.00	-
m) Electrical Maintenance	69,900.00	69,900.00	69,900.00	-	-	-	-
n) Trainees Guest House	3,042,553.00	3,042,553.00	3,042,553.00	2,849,694.00	2,849,694.00	2,849,694.00	-
<b>TOTAL</b>							

**SCHEDULE 20 - FINANCE COSTS**

Particulars	Current Year 2018-19			Previous Year 2017-18		
	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**

Particulars	Current Year 2018-19			Previous Year 2017-18			Amount in Rupees
	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)							
<b>Total</b>	-	-	-	-	-	-	-

Note:-

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

**SCHEDULE 22: PRIOR PERIOD EXPENSES**

Particulars	Current Year 18-19			Previous Year 17-18		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Establishment expenses						
2 Academic expenses						
3 Administrative expenses	1,457,980.00	1,457,980.00				
4 Transportation expenses						
5 Repairs & Maintenance				1,153,734.00		
6 Other expenses						
<b>Total</b>	-	1,457,980.00	1,457,980.00	-	1,153,734.00	-

**SCHEDULE 23: PLAN GENERAL EXPENSES**

	Particulars	CY 2018-19	CY 2017-18
	Plan General Expenditure:		
	Staff Development Programme	13443180.00	14712290.00
	Stipend to Apprenticeship Trainees	645342.00	997221.00
	Stipend to Long Term Trainees		
	Building Maintenance (Plan)	14009167.00	13444278.00
	Development Expenses	2764270.00	2609185.00
	Development Expenses (Hindi Sahalkar)		
	GSI Mapping Tools		
	Membership Fees for Teaching Faculty		
	Furniture Maintenance		
	Periodicals	886465.00	19800.00
	Printing & Stationery	272104.00	267689.00
	Maintenance of Lab / Office Equipments	1228114.00	1262153.00
	Research Fellowship		
	Community Polytechnics		
	Contingent Grant to Trainees		
	TA & DA National Conferences		
	Remuneration to Guest Lecturers	150500.00	1321730.00
	Fund transferred to NRC Project	500000.00	
	Review Committee Meeting		
	Consumables for Lab		
	National Seminar		
	National Symposium		
	WIDDS		
	Course Fees Receivable		
	VNITTTR Edusat		
	Web Charges		
	IDDS		
	Inter Sports Meet		
	Workshop on NMEICT		1600.00
	<b>TOTAL</b>	<b>33899142.00</b>	<b>34635946.00</b>

**NATIONAL INSTITUTE OF TECHINCAL 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 Human Resources Development, receives grants and compiles the three sets of accounts with proper schedules for NITTTR, 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 TECHINCAL 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 Rs.2,00,000/-
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)(iiab) 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 31.03.2019 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 are prepared on accrual basis.
7. The interest on deposits are accounted on accrual basis.

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

**UTILIZATION CERTIFICATE**

UTILIZATION CERTIFICATE FOR THE YEAR 2018-19  
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. 1995.31 lakh
(ii) Unadjusted advances	-	Rs. 3.18 lakh
(iii) Total	-	Rs. 1998.49 lakh

(Cash in Hand / Bank includes Grants receivable – Rs.1356.50 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)
			4	5	6			
1	2	3	Sanction No. (i)	Date (ii)	Amount (iii)			
1998.49	*	NIL	Enclosed in the Annexure	2915.50	4913.99	4103.84		810.15

\* 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
1262.59	1472.15	1369.10	4103.84

Details of grants position at the end of the year

- |                          |   |                |
|--------------------------|---|----------------|
| (i) Cash in Hand / Bank  | - | Rs.954.33 lakh |
| (ii) Unadjusted Advances | - | Rs. 15.52 lakh |
| (iii) Total              | - | Rs.969.85 lakh |

(Cash in Hand / Bank includes Grants receivable – Rs.672.63 lakh)

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 will be revised based on the audit objections.
- (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: Feb. 20, 2020

Place: Chennai - 600113

[Prof. Dr. SUDHINDRA NATH PANDA]  
DIRECTOR

**Annexure**

**Details of Grant-in-aid received during the year 2018-19**

[Rupees in Lakh]

<b>GiA released</b>	OH 31 General	OH 35 Capital Assets	OH 36 Salaries	Total
Till Jan 2019	742.87	600.00	900.00	2242.87
March 2019 (02.04.2019)	247.63	200.00	225.00	672.63
	990.50	800.00	1125.00	<b>2915.50</b>

**OH 31 – GENERAL**

<b>Sanction No.</b>	<b>Sanction Date</b>	<b>Amount (Rs.)</b>	<b>Ins</b>	<b>Batch</b>	<b>Received Date</b>
5-4/2018-TS-IV	26/06/2018	19400000.00	Gen	I	02/07/2018
F.No.5-4/2018-TS.IV	27/08/2018	7845500.00	Gen	II	1 01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	454750.00	SC	II	1 01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	199750.00	ST	II	1 01/09/2018
5-4/2018-TS-IV	06/09/2018	7845500.00	Gen		11/09/2018
5-4/2018-TS-IV	06/09/2018	454750.00	SC		10/09/2018
5-4/2018-TS-IV	06/09/2018	199750.00	ST		10/09/2018
F.No.5-4/2018-TS.IV	04/10/2018	20000000.00	Gen	III	10/10/2018
5-4/2018-TS-IV	20/11/2018	1800000.00	Gen	III	28/11/2018
5-4/2018-TS-IV	24/01/2019	14848301.00	Gen	IV	01/02/2019
5-4/2018-TS-IV	24/01/2019	860655.00	SC	IV	01/02/2019
5-4/2018-TS-IV	24/01/2019	378044.00	ST	IV	01/02/2019

**7,42,87,000.00**

5-4/2018-TS-IV	25/03/2019	1,76,06,699.00	Gen	IV		02/04/2019
5-4/2018-TS-IV	25/03/2019	48,94,845.00	SC	IV		02/04/2019
5-4/2018-TS-IV	25/03/2019	22,61,456.00	ST	IV		02/04/2019

**9,90,50,000.00**

### OH 35 – CAPITAL ASSETS

<b>Sanction No.</b>	<b>Sanction Date</b>	<b>Amount (Rs.)</b>		<b>Ins</b>	<b>Batch</b>	<b>Received Date</b>
F.No.5-4/2018-TS.IV	27/08/2018	9230000.00	Gen	II	1	01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	535000.00	SC	II	1	01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	235000.00	ST	II	1	01/09/2018
5-4/2018-TS-IV	06/09/2018	9230000.00	Gen			11/09/2018
5-4/2018-TS-IV	06/09/2018	535000.00	SC			10/09/2018
5-4/2018-TS-IV	06/09/2018	235000.00	ST			10/09/2018
5-4/2018-TS-IV	20/11/2018	30000000.00	Gen	III		29/11/2018
5-4/2018-TS-IV	18/12/2018	10000000.00	Gen	III		24/12/2018

**6,00,00,000.00**

5-4/2018-TS-IV	28/03/2019	13540000.00	Gen	IV		02/04/2019
5-4/2018-TS-IV	28/03/2019	4530000.00	SC	IV		02/04/2019
5-4/2018-TS-IV	28/03/2019	1930000.00	ST	IV		02/04/2019

**8,00,00,000.00**

### OH 36 – SALARIES

<b>Sanction No.</b>	<b>Sanction Date</b>	<b>Amount (Rs.)</b>		<b>Ins</b>	<b>Batch</b>	<b>Received Date</b>
5-4/2018-TS-IV	26/06/2018	25685000.00	Gen	I		02/07/2018
F.No.5-4/2018-TS.IV	27/08/2018	14306500.00	Gen	II	1	01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	829250.00	SC	II	1	01/09/2018
F.No.5-4/2018-TS.IV	27/08/2018	364250.00	ST	II	1	01/09/2018
5-4/2018-TS-IV	06/09/2018	14306500.00	Gen			11/09/2018
5-4/2018-TS-IV	06/09/2018	829250.00	SC			10/09/2018
5-4/2018-TS-IV	06/09/2018	364250.00	ST			10/09/2018
F.No.5-4/2018-TS.IV	04/10/2018	30000000.00	Gen	III		10/10/2018
5-4/2018-TS-IV	20/11/2018	3315000.00	Gen	III		28/11/2018

**9,00,00,000.00**

5-4/2018-TS-IV	25/03/2019	15387000.00	Gen	IV		02/04/2019
5-4/2018-TS-IV	25/03/2019	4841500.00	SC	IV		02/04/2019
5-4/2018-TS-IV	25/03/2019	2271500.00	ST	IV		02/04/2019

**11,25,00,000.00**

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

## **RECEIPTS AND PAYMENTS ACCOUNT**

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2018-19**

RECEIPTS		Current Year 2018-19	Previous Year 2017-18	PAYMENTS		Current Year 2018-19	Previous Year 2017-18	Amount in Rupees
<b>I. Opening Balances</b>				<b>I. Expenses</b>				
a) Cash Balances		71,447.00	558,300.00	a) Establishment Expenses		158,609,636.00	140,238,921.00	
b) Bank Balance				b) Academic Expenses		9,172,094.00	8,349,456.46	
i) In Current Amounts				c) Administrative Expenses		156,757.00	225,573.00	
ii) In Deposit Accounts				d) Transportation Expenses		2,967,039.00	2,849,694.00	
iii) Savings Accounts		143,634,312.49	248,253,119.46	e) Repairs & Maintenance				
f) Prior period expenses				f) Prior period expenses				
<b>II. Grants Received</b>				<b>II. Payments against Earmarked/Endowment Funds</b>				
a) From Government of India								
b) From State Government								
for Revenue Expenditure		164,287,000.00	179,200,000.00					
for Capital Expenditure		60,000,000.00	78,750,000.00					
c) From other sources - Grants Receivable		135,650,000.00	-					
(Grants for capital & revenue exp/ to be shown separately, if available)								
<b>III. Academic Receipts</b>				<b>III. Payments against Sponsored Projects/Schemes</b>				
IV. Receipts against Earmarked/Endowment Funds/Corpus fund		120,000.00	1,026,926.46					85,526.00
V. Receipts against Sponsored Projects/ Schemes		257,955.00	1,190,000.00	IV. Payments against Sponsored Fellowships/Scholarships -				187,200.00
a) IDDS		2,861,000.00	1,200,000.00	IDDS Payments				
b) CPSC		95,624.00		V. Investments and Deposits made				
c) AICTE UKIERI WORKSHIP				a) Out of Earmarked/Endowments funds				
d) NIWE PROGRAMME		162,796.00		b) Out of own funds (Investments - Others)				
e) SWAYAM								
f) SP02 IMID COURSE								
G) TNSCB PROG								
H) TRAINING PROG BHUTAN								
I) ITP on EIT and RB&I (Indonesia)								
J) DST NIMAT Training Programme								
		500,000.00						

VI. Receipts against sponsored Fellowships/			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	1,504,421.00		a) Fixed Assets : Capital Expenditure	29,331,253.00
b) Other investments SDR Interest			VIII. Plan General Expenditure	21,209,902.00
VIII. Interest received on			VIII. Other Payments including statutory payments	23,333,709.00
a) Bank Deposits			Outstanding Expenses, TDS & Service Tax etc.,	7,963,825.00
b) Loans and Advances			IDDS Corpus fund Contribution	149,772.00
c) Savings Bank Accounts	2,196,362.00			
IX. Sundry Creditors		717,205.00	IX. Refunds of Grants	
X. Term Deposits with Scheduled Banks encashed			X. Deposits and Advances	
			Deposits with CPWD	117,883,327.00
			Deposits Refund	40,000.00
XI. Other income (including Prior Period Income)			XI. Other Payments/Liabilities	105,576,119.00
i) Duties and Taxes TDS, Service Tax etc	21,943.00		i) Sundry Creditors	40,000.00
ii) sale of Books and CDs	101,832.00		ii) Duties and Taxes	72,557,375.00
XII. Deposits and Advances			iii) Others: CTC Payments	69,396,575.00
i) Other ; Refund	1,860.00		iv) Others: Corpus Fund	23,031,890.00
ii) Other Deposits	69,330.00		XII. Closing balances	13,976,059.00
iii) Other Receipts:			a) Cash in hand	503,100.00
OTC		5,537,729.00	b) Bank balances	68,667.00
GPF Special Deposit Interest	215,987.00		In Current Accounts	71,447.00
Guest House Room Rent (2017-18)	4,560,271.00		In Savings Accounts	28,078,757.82
Royalty	105,006.91		In Deposit Accounts	143,634,312.49
XIII. Misc Receipts including Statutory Receipts	1,262,780.42	3,222,985.33		
	956,676.00			
XIV. Any Other Receipts				
<b>TOTAL</b>	<b>517,938,307.82</b>	<b>530,078,809.25</b>	<b>TOTAL</b>	<b>517,938,307.82</b>
				530,078,809.25

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

## **GPF ACCOUNT**

**PROVIDENT FUND ACCOUNT**

**BALANCE SHEET AS AT MARCH 31, 2019**

Liabilities	2018-19	2017-18	Assets	Amount in Rupees	2018-19	2017-18
GPF						
Opening Balance	32,888,299.76	35,997,222.76	Investment Int.			
Less: Subscription for March 2018			accrued as on 31/03/19			
Add: Subscriptions in the year			Subscription Due for March 2016:			
Add: Sub for March 2019	8,133,800.00	9,331,783.00	GPF	6,816.00	6,816.00	
	1,939,372.00	2,086,801.00	CPF UC due to CPF			
Add: Interest Credited	42,961,471.76	10,352,556.00	NPS-II			
Less: Advance/withdrawal/Part Final	10,352,556.00	14,527,507.00				
Closing Balance <u>GPF</u>	32,608,915.76	32,888,299.76	Temporary Advance			
Unclaimed Balance	11,170.00	11,170.00	Tax recovered from interest on Investments Pending refund			
Employers Contribution	(231,862.00)	(231,862.00)	from Income Tax Department			
	3,286.45	3,286.45	Cash at Bank : IOB	31,765,508.51	1,489,337.51	
			Fixed Deposit	5,425,125.00	32,049,110.00	
NPS Contra						
Closing Balance						
	1,469,721.00	1,469,721.00				

<u>University Contribution (CPF)</u>			
Opening Balance			
Less: Contribution for March 2018			
Add: Subscriptions in the year			
Add: Contribution for March 2019			
Add: Interest Credited			
Less: Advance/withdrawal			
Closing Balance			
 <u>NPS Tier-II Account</u>			
Opening Balance			
Less: Sub for March 2018			
Add: Subscriptions in the year			
Add: Sub for March 2019			
Add: Interest Credited			
Less: Advance/withdrawal			
Closing Balance			
 <u>Interest Reserve</u>			
Opening Balance	5,691,581.60	5,691,581.00	
Add: Excess of expenditure over Income	1,810,447.00		
Closing Balance			
Total	41,363,259.81	39,832,196.21	
			41,363,259.81
			39,832,196.81

**PROVIDENT FUND ACCOUNT**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2019**

Expenditure	2018-19	2017-18	Income	2018-19	2017-18	Amount in Rupees
<b>Interest Credited to:</b>			<b>Interest earned on Investment</b>	<b>5,779,089.00</b>	<b>1,084,205.00</b>	
GPF Account		2,086,801.00	<b>SB Interest</b>	91,853.00	29,162.00	
CPF Account			Add: Interest accrued			
University Contribution (CPF)			Add: Tax recovered on interest - Refund to be obtained			
NPS Tier-II Account						
Accrued Interest			Less: Interest accrued for previous year			
Interest on subscription	1,939,372.00	2,018,681.00		(2,121,123.00)		
Bank charges	5.90					
<b>Excess of Income over Expenditure</b>	<b>1,810,447.00</b>		<b>Excess of Expenditure over Income</b>			
<b>Total</b>	<b>3,749,819.00</b>	<b>4,105,487.90</b>	<b>Total</b>	<b>3,749,819.00</b>	<b>4,105,487.90</b>	

**PROVIDENT FUND ACCOUNT**

**RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2018-19**

Receipts		2018-19	2017-18	GPFAdv./Withdrawal/Part Final Interest on Subscription Bank charges	Payments	2018-19	2017-18
Opening Balance IOB				2,804,732.00		10,352,556.00	14,527,507.00
FIXED DEPOSIT:				2,620,393.00			5.90
IOB SPECIAL DEPOSIT		2,620,393.00		2,620,393.00			
SBI SPECIAL DEPOSIT		26,623,985.00		31,723,985.00			
IOB FIXED DEPOSIT		1,489,337.51	33,538,447.51	471,700.41			
IOB PF							
SBI, Branch- 1							
SBI, Branch -II							
GPF Subscription		8,133,800.00		9,331,783.00	Investment during the year <u>Closing Balance:-</u>		
CPF Subscription					SBI, Branch- 1		
CPF University Contribution					FD	5,425,125.00	32,049,110.00
NPSTier-II Account					IOB	31,765,508.51	1,489,337.51
PF FD INTEREST		5,572,752.00		632,691.00			
SPECIAL DEPOSIT INTEREST		206,337.00		451,514.00			
SB NORMAL INTEREST		91,853.00		29,162.00			
<b>Total</b>		<b>47,543,189.51</b>	<b>48,065,960.41</b>		<b>Total</b>	<b>47,543,189.51</b>	<b>48,065,960.41</b>

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

## **NPS ACCOUNT**

NPS TIER-I ACCOUNT

BALANCE SHEET AS AT MARCH 31, 2019

	<b>Liabilities</b>	<b>2018-19</b>	<b>2017-18</b>	<b>Assets</b>	<b>2018-19</b>	<b>2017-18</b>	Amount in Rupees
NPS Tier-I Account				NPS Tier-I Account			
Opening Balance	2,361,096.00	1,521,555.00		Subscription and Contribution due for 3/18			
Less: NSDL Remit	3,482,700.00	2,745,328.00					
	(1,121,604.00)	(1,223,773.00)					
Add: Subscription	1,509,292.00	1,959,081.00					
Add: Contribution	1,247,998.00	1,611,544.00					
Add: Interest Credited	1,635,686.00	2,346,852.00		GPF Contra Balance at Bank			
Less: Transferred to NSDL				Contribution Receivable Oct 2018 and Feb 2019			
Add: Sub+UC for 3/2019				VII CPC Arrears			
Excess of Income over Expenditure	674,251.00	14,244.00					
Balance as on 01.04.2018				254,472.00			
Add: During the year				347,537.00			
<b>Total</b>	<b>2,309,937.00</b>	<b>2,361,096.00</b>			<b>Total</b>	<b>2,309,937.00</b>	<b>2,361,096.00</b>

NPS TIER-I ACCOUNT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2019

	<b>Expenditure</b>	<b>2018-19</b>	<b>2017-18</b>	<b>Income</b>	<b>2018-19</b>	<b>2017-18</b>	Amount in Rupees
Excess of Income over Expenditure	674,251.00		14,244.00	Normal Interest Contribution	72,242.00 602,009.00		14,244.00
<b>Total</b>	<b>674,251.00</b>	<b>14,244.00</b>		<b>Total</b>	<b>674,251.00</b>	<b>14,244.00</b>	

**NPS TIER-I ACCOUNT**

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2018-19**

Receipts	2018-19	2017-18	Payments	2018-19	Amount in Rupees 2017-18
<b>Opening Balance as on 1/04/2018</b>	891,375.00	51,834.00	<b>Investment</b>		
NPS Tier-I Account			Withdrawal / Refund to NSDL	3,482,700.00	2,745,328.00
Employees Subscription	1,509,292.00	1,959,081.00			
Employer's (Institute) Contribution	1,247,998.00	1,611,544.00			
Interest on Saving Bank A/C	72,242.00	14,244.00	Closing Balance	238,207.00	891,375.00
<b>TOTAL</b>	<b>3,720,907.00</b>	<b>3,636,703.00</b>	<b>TOTAL</b>	<b>3,720,907.00</b>	<b>3,636,703.00</b>

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

**OVERSEAS TRAINING COURSE  
ACCOUNT**

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

**Overseas Training Course (OTC)**  
Balance Sheet as at 31.03.2019

LIABILITIES	Current Year 2018-19	Previous Year 2017-18	ASSETS	Amount in Rupees	
				Current Year 2018-19	Previous Year 2017-18
CAPITAL FUND:	106,962,119.00	78,347,901.00	DEPOSITS:		
Add: Excess	22,662,448.00	28,614,218.00	SDR		
Duties and Taxes	129,624,567.00	106,962,119.00	LOANS & ADVANCES		
Sundry Creditors	6,885.00	1,844.00	Temporary Advances	2,728,446.00	1,340,037.00
		120,771.00	Accured Interest		1,684,485.00
			NITTTR Contribution	2,919,985.00	2,919,985.00
			Auto Sweepout FD	30,585,109.00	23,000,000.00
			Closing Balance		
			Cash in Hand		25,000.00
			Canara Bank	63,731,470.00	41,513,506.00
			Axis Bank	29,783,790.00	36,601,721.00
<b>TOTAL</b>	<b>129,748,800.00</b>	<b>107,084,734.00</b>	<b>TOTAL</b>	<b>129,748,800.00</b>	<b>107,084,734.00</b>

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

**Overseas Training Course (OTC)**  
**Income & Expenditure Account for the year ended 31.03.2019**

	EXPENDITURE	2018-19	2017-18	INCOME	2018-19	2017-18	Amount in Rupees
Books & Periodicals				Project Receipts	34767560.00	44659037.00	
OTC Expenses (including Food & Vehicle Expenses)	15196873.00	10580874.00		Interest Bank Misc Receipts	15457658.00	1367803.00 485425.00	
LIVING allowance				Accured Interest			1,684,485.00
Misc Expenditure							
Guest House Expenses							
Room Rent							
Accrued Interest for last year							
Bank charges	34718.00	65.00					
Project Allowance	70000.00						
SDEM Batch							
Book allowance	428840.00	564270.00					
Travelling & Conveyance							
Excess of Income over Expenditure	22662448.00	28614218.00					
Total	50225218.00	48196750.00		Total	50225218.00	48196750.00	

**Overseas Training Course (OTC)**  
**Receipts & Payments Account for the Financial Year 2018-19**

				Amount in Rupees	
RECEIPTS		2018-19	2017-18	PAYMENTS	2018-19
OPENING BALANCE:				Duties & Taxes	7323.00
AXIS BANK	36601721.00	28804984.00		Vehicle & Food Expenses	1227158.00
CANARA BANK	41513506.00	41382841.00		Temporary Advance	2728446.00
FD Auto Sweepout	23000000.00			OTC Expenses	1340037.00
Cash	1365037.00	2884360.00		Book Allowance	9662202.00
				Project Allowance	428840.00
				Misc Expenses	70000.00
					352495.00
					485425.00
OTC Project Receipts	34767560.00	44659037.00		Guest House Expenses	
SB Interest AXIS	481168.00	295048.00		Living Allowance	11832339.00
SB Interest Canara Bank	1874172.00	261465.00			5243149.00
SDR Interest AXIS	7854131.00	811290.00		Bank Charges	34718.00
SDR Interest Canara Bank	6932672.00	485425.00		FD: Auto Sweepout	65.00
Misc Receipts					30585109.00
				CLOSING BALANCE	23000000.00
				AXIS BANK	
				CANARA BANK	
				Cash	
Total	154389967.00	119584450.00		Total	154389967.00
					119584450.00

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

## **PROJECT ACCOUNT**

**PROJECT ACCOUNT**  
Balance Sheet as at 31.03.2019

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

PROJECT ACCOUNT  
Income & Expenditure Account for the year ended 31.03.2019

	EXPENDITURE	2018-19	2017-18	INCOME	2018-19	Amount in Rupees 2017-18
Project Expenses Duties and Taxes		47172.00		SB Interest	414639.00	154160.00
Excess of Income Over expenditure	414639.00	106988.00		Excess of Expenditure Over Income		
Total	414639.00	154160.00		Total	414639.00	154160.00

National Institute of Technical Teachers Training and Research  
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**PROJECT ACCOUNT**  
**Receipts & Payments Account for the Financial Year 2018-19**

	RECEIPTS	2018-19	2017-18	PAYMENTS	2018-19	Amount in Rupees	2017-18
<b>OPENING BALANCE:</b>							
Cash at Bank	6,392,911.43	6,320,674.00				47,172.00	
Cash in Hand	102,043.00	39,000.00				391,856.00	
				Duties and Taxes	1,784.00		
				Project Expenses	2,435,754.00		
				FFD Deposit	11,672,000.00	6,362,000.00	
				Temporary Advance	33,368.00	75,000.00	
				LC Projector		98,956.57	
				<b>CLOSING BALANCE:</b>			
				Cash in Hand		27,043.00	
				Cash at Bank	25,187.43	30,911.43	
<b>Total</b>	<b>14,168,093.43</b>	<b>7,032,939.00</b>		<b>Total</b>	<b>14,168,093.43</b>	<b>7,032,939.00</b>	

**NATIONAL INSTITUTE OF  
TECHINICAL 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**  
Receipts & Payments Account for the Financial Year 2018-19

	RECEIPTS	2018-19	2017-18	PAYMENTS	2018-19	Amount in Rupees
OPENING BALANCE:						
Cash at Bank	1,364,419.00	2,293,817.00				
Corpus fund 30%	50545.00					
Corpus fund 40%	303513.00					
IDDS Corpus fund 10%	193500.00	72000.00	Laptop to Faculty member	73,763.00	1,190,000.00	
IDDS Corpus fund 20%	309600.00	115200.00				
Normal Interest	60627.00	73402.00				
					CLOSING BALANCE:	
					Cash at Bank	2,208,441.00
						1,364,419.00
Total	2,282,204.00	2,554,419.00		Total	2,282,204.00	2,554,419.00

National Institute of Technical Teachers Training and Research  
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**CORPUS FUND ACCOUNT**  
Income & Expenditure Account for the year ended 31.03.2019

	INCOME	2018-19	2017-18	EXPENDITURE	2018-19	2017-18	Amount in Rupees
Corpus fund 30%	50545.00						
Corpus fund 40%	303513.00						
IDDS Corpus fund 10%	193500.00		72000.00		249064.00		
IDDS Corpus fund 20%	309600.00		115200.00				
Normal Interest	60627.00		73402.00				
					668721.00		260602.00
Total	917785.00		260602.00		Total		917785.00
							260602.00

Gross Block	Amount (Rs.)	Depreciation	Amount (Rs.)
Opening Balance	1,190,000	Opening Balance	-
Additions	73,763	Depreciation for the year	249,064
	1,263,763	Deductions	249,064
Deductions	-	Closing Balance	-
Closing Balance	1,263,763		249,064

**CORPUS FUND ACCOUNT**  
Balance Sheet as at 31.03.2019

				Amount in Rupees
	LIABILITIES	2018-19	2017-18	ASSETS
	CAPITAL FUND	2554419.00	2293817.00	
Add: Excess of Income over Expenditure	668721.00	260602.00	Laptop to Faculty members Less: Depreciation  Cash at Bank	1263763.00 249064.00  2208441.00  1364419.00
				3223140.00
				3223140.00
				2554419.00

**NATIONAL INSTITUTE OF  
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## **SWAYAM ACCOUNT**

**SWAYAM PROJECT ACCOUNT**

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2018-19**

Receipts	2018-19	2017-18	Payments	Amount in Rupees	
				2018-19	2017-18
Cash in Hand	38,000.00		Project Expenses	7,608,863.00	1,915,856.00
Cash at Bank	46,625,252.00	49,500,000.00	Duties and Taxes	155,363.00	3,716.00
MHRD - GRANTS			Remuneration Paid	908,179.00	412,868.00
NRC - GRANTS	1,470,000.00		Travelling expenses	352,704.00	584,152.00
SB Interest	1,643,041.00	1,113,174.00	Honorarium Paid	736.00	26,181.00
Misc Receipts		2,914.00	General Expenses	49,747.00	7,875.00
			Workshop	695.00	52,564.00
			Misc Expenses	613.00	340.00
			Sundry Creditors	367,870.00	
			Fixed Assets		
			Equipments	25,000.00	581,414.00
			Temporary Advance	18,000.00	38,000.00
			Cash at Bank	40,656,393.00	46,625,252.00
<b>TOTAL</b>	<b>49,776,293.00</b>	<b>50,616,088.00</b>	<b>TOTAL</b>	<b>49,776,293.00</b>	<b>50,616,088.00</b>

**SWAYAM PROJECT ACCOUNT**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2019**

Expenditure	2018-19	2017-18	Income	2018-19	2017-18
Project Expenses			NRC - GRANTS	1,470,000.00	
Project Expenses : NRC	7,608,863.00	2,240,856.00	SB Interest	1,643,041.00	1,113,174.00
Remuneration Paid	155,363.00		Misc Receipts		2,914.00
Travelling expenses	908,179.00	412,868.00			
Honorarium Paid	352,704.00	584,152.00			
Duties and Taxes		26,181.00	Excess of Expenditure over income	6,052,946.00	2,255,334.00
General Expenses	736.00				
Workshop	49,747.00	54,461.00			
Misc Expenses	695.00	52,564.00			
Depreciation	613.00	340.00			
	89,087.00				
<b>Total</b>	<b>9,165,987.00</b>	<b>3,371,422.00</b>	<b>Total</b>	<b>9,165,987.00</b>	<b>3,371,422.00</b>

Gross Block	Amount (Rs.)	Depreciation	Amount (Rs.)
Opening Balance	581,414	-	87,212.1
Additions	25,000		1,875.00
Deductions	606,414		
Closing Balance	-		
	<b>606,414</b>		<b>89,087</b>

**SWAYAM PROJECT ACCOUNT**

**BALANCE SHEET AS AT MARCH 31, 2019**

Liabilities	2018-19	2017-18	Assets	2018-19	2017-18
Opening Balance	47,244,666.00				
Less: Excess of Expenditure over Income	6,052,946.00	41,191,720.00			
		47,244,666.00			
			Equipments	606,414.00	
			Less: Depreciation	89,087.00	581,414.00
				517,327.00	
			Temporary Advance	18,000.00	38,000.00
			Balance at Bank	40,656,393.00	46,625,252.00
<b>Total</b>	<b>41,191,720.00</b>	<b>47,244,666.00</b>	<b>Total</b>	<b>41,191,720.00</b>	<b>47,244,666.00</b>



NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH



## CONTACT

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