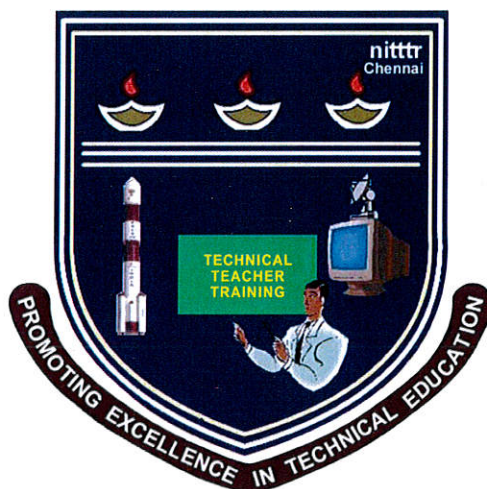


ANNUAL REPORT

2016-17

(ENGLISH VERSION)



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

FROM THE DIRECTOR



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 2016-17. 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, National and Regional 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 2016-17 represented another period of expansion and developmental activities of the institute. During this year the following were achieved:

- Training of 2625 technical teachers from 131 courses for polytechnics and 1593 technical teachers from 233 courses for engineering colleges.
- Training of 163 teachers, policy makers and educational administrators from 44 countries through 8 Overseas Trainees Courses
- Doctoral degree in Engineering Education awarded to 11 candidates. 23 candidates are currently pursuing Ph.D.
- Curricula of 35 programmes consisting of 250 courses were revised.
- Development of 50 instructional resources (print type materials and videos)

Although we train many tens of thousands of individuals worldwide, perhaps the most gratifying part of our work at NITTTR, Chennai is when we hear directly from participants their experience / feedback of staying 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 incessant motivation 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

The National Institute of Technical Teachers Training and Research (NITTTR) Chennai was established as an autonomous Institute by the Ministry of Human Resource Development, 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 the core engineering area and also in the inter-disciplinary area 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 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, research and 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 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

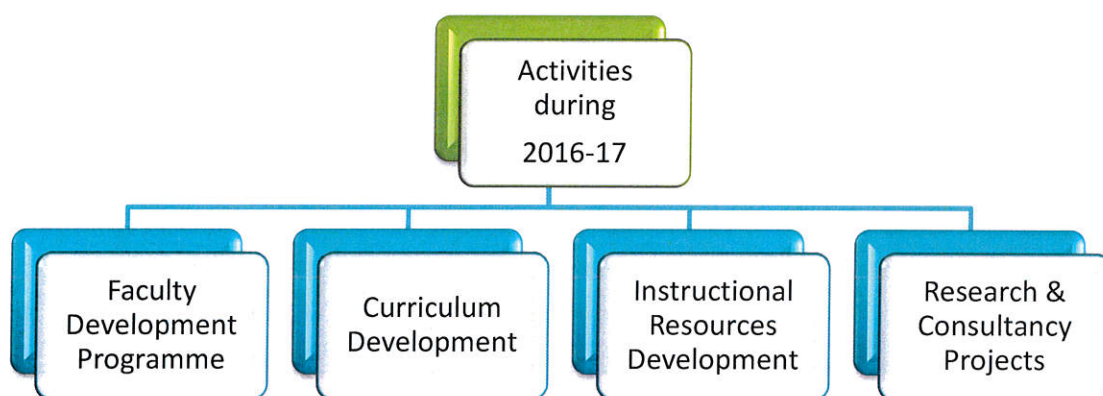
The objectives of the institute are:

- ✓ To act as a centre for offering quality training programmes for 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 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 community and industries in organising continuing and non-formal vocational education programmes and providing extension and consultancy services.
- ✓ To undertake consultancy project work 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 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 identified areas in teacher education under the SWAYAM project. NITTTR, Chennai is the National Coordinator for this project.

3.0 FOCUS OF ACTIVITIES DURING 2016-2017

The institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During the year 2016-2017, the institute undertook programmes, projects and activities under four major areas namely: (i) Faculty Development, (ii) Curriculum Development, (iii) Instructional Resources Development, and (iv) Research and Consultancy Projects.



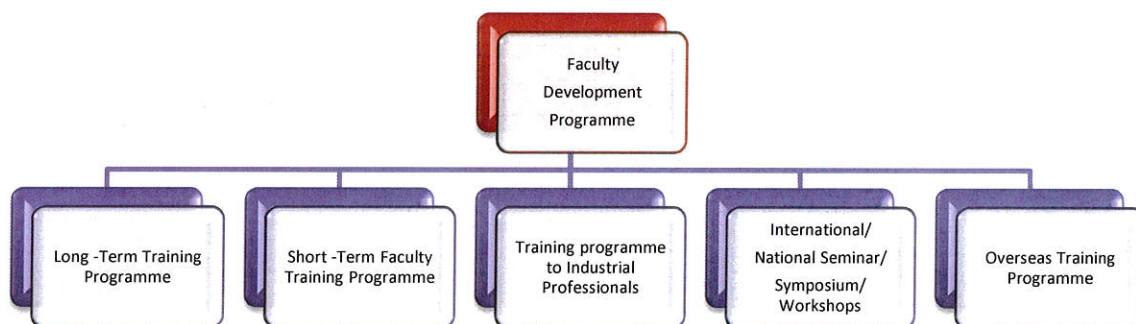
The institute focused on the following activities during the year 2016-2017:

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, Educational Technology, Accreditation, Human Resource Development, Curriculum Development and Entrepreneurship Development.
2. Conducting seminars/symposium/workshops for professional development of teachers.
3. Developing research capabilities in teachers of engineering colleges, polytechnics and personnel from industries through inter-disciplinary research leading to Ph.D.
4. Training of teachers of Engineering colleges, Polytechnics and others through long-term programmes like M.Tech. (HRD).
5. Providing expertise to overseas participants through specially designed training programmes.
6. Developing curricula for education and training programmes and revising the curricula of existing programmes.
7. Developing/revising instructional resources (materials and media) needed for effective implementation of polytechnic and engineering college curricula.
8. Undertaking research and development projects relevant to technical education system.
9. Developing e-content on teacher education under SWAYAM platform.
10. Providing consultancy services for the effective implementation and monitoring of the following schemes / projects:
 - a. Scheme of Community Development through Polytechnics
 - b. Sub-Mission on Polytechnics
 - Upgrading Infrastructure of Existing Polytechnics
 - c. Project for Persons with Disabilities
 - 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

a) DOCTORAL RESEARCH PROGRAMME

The institute continued to vigorously 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 81 scholars have been awarded Ph.D. degree in Engineering Education under University of Madras. As on date, 23 candidates are pursuing Ph.D. in this Institute. During this year, eleven scholars were awarded and three enrolled in Ph.D. in Engineering Education by the University of Madras as detailed in Table 1.

Table 1: Details of Research scholars who have been awarded the Degree during the year

S. No.	Name & Institutional affiliation of the candidate	Title of the Thesis	Supervisor	Date of Viva Voce
1.	Ms.Shimi Lawrence Full-Time Research Scholar Dept. of Civil Engg. NITTTR, Chennai – 113.	Integration of Disaster Management into the Curriculum of Civil Engineering for the Undergraduate Degree programme	Dr. E.S.M.Suresh Professor & Head Dept. of Civil Engg.	15.04.2016

S. No.	Name & Institutional affiliation of the candidate	Title of the Thesis	Supervisor	Date of Viva Voce
2.	Mr.M.A.Abdul Hakeem Associate Professor Mahatma Gandhi University College of Engg.,Thodupuzha, Kerala – 685 587.	A Multi-Dimensional Perspective Towards Internal Quality Assurance of Second Cycle Programmes in Engineering	Dr. V.Thanikachalam Former Professor and Head, Dept. of Correspondence Courses	03.05.2016
3.	Ms.R.Thilaga Devi Full-Time Research Scholar Dept. of Educational Management & Applied Psychology NITTTR, Chennai – 113.	A study on Human Resource Management Practices of Technological Universities in Tamilnadu	Dr. B. Mukhopadhyay, Former Professor and Head, Department of Educational Management & Applied Psychology	25.05.2016
4.	Mr.P.Purushothaman Former Director Centre for University Industry Interaction Periyar Maniammai Univeristy Thanjavur.	A Study on Effectiveness of Training of Construction Workers in Tamilnadu	Dr. E. S. M. Suresh Professor and Head, Dept. of Civil Engineering	15.06.2016
5.	Mr. N. Venkatesh Senior Lecturer TMC Academy Capitol centre, Singapore-179099	A Comparative Study on Outcome Stratification of Computer Science and Engineering Education in Two Asian Countries	Dr. T.GnanaSambanthan Professor / EDP Manager and Head, Dept. of Computer Science & Engg.	17.08.2016
6.	Mr. R. Senthil Raj Assistant Engineer Highways Department Govt. of Tamilnadu, Chennai	Design and Evaluation of Induction Training Program for Engineers of the Highways Department of Tamil Nadu	Dr. S. Mohan Former Director NITTTR, Chennai	23.08.2016
7.	Mr.VarekanKeishing Full-Time Research Scholar Dept. of Engineering Education NITTTR, Chennai – 113.	Development of Knowledge Management Based Career Exploration System for Computer Science Engineering Students	Dr.S.Renukadevi Professor and Head Dept. of Engineering Education	19.10.2016
8.	Mr.Krishnaraj G. Selvanayagi Assistant Professor National Institute of Fashion Technology, Taramani, Chennai – 113.	A Study on Employability Skills of Textile Technology Students	Dr.S.Renukadevi Professor and Head Dept. of Engineering Education	20.12.2016
9.	Ms. J. Hemabala Full-Time Research Scholar Dept. of Educational Media Centre NITTTR, Chennai – 113.	Effectiveness of Video Lessons using Mobile Learning Technology	Dr. E. S. M. Suresh Professor and Head, Dept. of Civil Engineering	06.02.2017
10.	Mr. C. Ramaswamy Professor of Mechanical Engg. Mahalingam College of Engg. & Technology, Pollachi.	Effectiveness of Industry Institute Partnership in Engineering Colleges of Tamilnadu State in India	Dr. D. Brahadeeswaran, Former Professor and Head, Department of Policy Planning & Educational Research, NITTTR, Chennai	03.03.2017
11.	Mr. R. Jayakumar Assistant Professor/MCA Dept. Mahendra Engg. College, Namakkal.	Development and Validation of a Model for Enhancing the Quality of e- learning website for course delivery	Dr. B. Mukhopadhyay, Former Professor and Head, Department of Educational Management & Applied Psychology, NITTTR, Chennai	28.03.2017

b) M.Tech. (Human Resource Development) PROGRAMME

This master's programme in Human Resource Development (HRD) of four semesters aims to produce competent human resources for the technical education sector. The programme of study comprises of 13 core courses, a dissertation (equivalent to two courses), seven electives, two soft skills courses and an internship.

This programme includes core subjects: Principles of Management, Organizational Behaviour, Industrial Sociology, Industrial Psychology, Research Methodology in HRD, Information and Communication Technology for HRD, Organizational Development, Legal Aspects of Human Resource Management, Human Resource Management, Soft Skills 1 & 2, Human Resource Development, International Human Resource Management, Training and Development, and Financial Management. Students have been provided with several elective subjects namely: Institutional Evaluation and Development, Management Information System, Planning and Production of Video Programmes for HRD, Project Management, Marketing Management, Enterprise Resource Planning, Performance Management, Knowledge Management, and Total Quality Management. An Internship has been included as a compulsory requirement and is to be carried out in the summer vacation after the second semester.

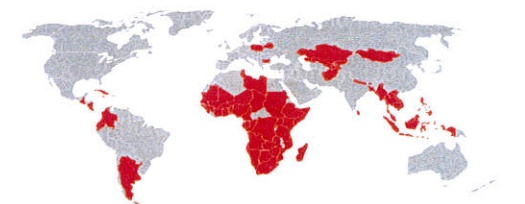
During this year, X Batch consisting of four candidates completed M. Tech (HRD) programme.

c) OVERSEAS TRAINING COURSES (OTC)

During the year 2016-17, the institute organized eight training programmes for the overseas participants under the ITEC (Indian Technical & Economic Cooperation)

and SCAAP (Special Commonwealth African Assistance Programme) schemes. They 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 and SCAAP schemes for the past 35 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 taking care of the academic aspects. The details of OTC programme are presented in Table 2 & 3.

Table 2: Eight Weeks OTC Programmes during the year 2016-17

S. No	Courses	Duration	Subject Coordinators
1.	IT, Web Designing, Pedagogy and English Communication Skills	23.05.2016 to 18.07.2016	Dr. P. Malliga & Dr. K.S. Girdharan
2.	Women Empowerment through Technical and Vocational Education	27.07.2016 to 20.09.2016	Dr. S. Renukadevi
3.	Sustainable Development and Environmental Management	27.07.2016 to 20.09.2016	Dr. G. Janardhanan
4.	Modern Library Practices	28.09.2016 to 22.11.2016	Dr. R. Ravichandran
5.	Spatial Information Technology for Urban Planning and Management	28.09.2016 to 22.11.2016	Dr. E.S.M. Suresh and Dr. K.S.A. Dinesh Kumar
6.	Curriculum Design and Instructional Materials Development	30.11.2016 to 24.01.2017	Dr. S. Dhanapal
7.	Information & Communication Technology in Education and Training	30.11.2016 to 24.01.2017	Dr. V. Shanmuganeethi
8.	Educational Media Production for E-Learning	01.02.2017 to 28.03.2017	Dr. P. Malliga

Table 3: Enrolment by Nation: 2016-17

Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled
AFGHANISTAN	13	IRAN	1	SUDAN	2
BANGLADESH	47	IRAQ	4	SOUTH SUDAN	2
BHUTAN	9	KENYA	2	ST. LUCIA	1
BOTSWANA	1	LEBANON	1	SWAZILAND	1
COTE D'IVOIRE	1	LIBERIA	1	SYRIA	2
EGYPT	2	MALAYSIA	1	TAJIKISTAN	2
ESTONIA	1	MAURITIUS	4	TANZANIA	8
ETHIOPIA	4	MYANMAR	1	TUNIAIA	2
FIJI	3	NAMIBIA	1	UGANDA	7
GHANA	8	NIGERIA	8	URUGUAY	1
GRENADA	1	OMAN	1	UZBEKISTAN	3
GUATEMALA	1	PHILLIPINES	1	VIETNAM	2
GUINEA-BISSAU	1	RUSSIA	1	ZAMBIA	2
GUYANA	1	SENEGAL	1	ZIMBABWE	4
INDONESIA	2	SRILANKA	1		
No. of Countries represented = 44				Total candidates	163

i. Special Training Programme on “IT, Web Designing, Pedagogy and English Communication Skills”



Batch	:	II
Duration	:	23.05.2016 to 18.07.2016.
No of Participants	:	38
Country Represented	:	Bangladesh
Programme Objectives:		
<ol style="list-style-type: none"> 1. To obtain adequate proficiency in English language communication 2. To employ ICT features in their day to day teaching activities 3. To design a suitable web for their regular requirements 4. To adopt appropriate pedagogical skills in the regular teaching learning process. 		
No. of Projects completed by the participants	:	13
Total no of participants trained since inception	:	77

ii. **Advanced Certificate Course on “Women Empowerment through Technical and Vocational Education”**



Batch	:	X
Duration	:	27.07.2016 to 20.09.2016
No of Participants	:	11
Countries Represented	:	Bangladesh, Bhutan, Ghana, Mauritius, South Sudan, Tajikistan and Tunisia
Programme Objectives:		
<ol style="list-style-type: none"> 1. Understand the aims and ideals of women education in developed and developing countries 2. Appreciate the policies and planning strategies involved in women empowerment through technical education 3. Analyze the implications of technology for women education 4. Comprehend the strategies of balancing work, education and home 5. Develop soft skills and leadership skills to manage technical institutions 6. Evolve specific strategies for women empowerment through technical & vocational education in their respective countries 		
No. of Projects completed by the participants	:	8
Total no of participants trained since inception	:	104

iii. **Advanced Certificate course on “Sustainable Development and Environmental Management”**



Batch	:	VII
Duration	:	27.07.2016 to 20.09.2016
No of Participants	:	13
Countries Represented	:	Afghanistan, Bhutan, Egypt, Ethiopia, Fiji, Nigeria, Senegal, South Sudan and Tunisia
Programme Objectives:		
<ol style="list-style-type: none"> 1. To provide an understanding on the methods and approaches for sustainable environmental development and understand the interrelationships among socio, economic and environmental issues 2. To provide the modes of assessing the impact of developmental projects on environment and to suggest appropriate remedial measures; and 3. To foster an increased quality of teaching and learning in education for sustainable development 		
No. of Projects completed by the participants	:	13
Total no of participants trained since inception	:	127

iv. Advanced Certificate course on “Modern Library Practices”



Batch	:	IX
Duration	:	28.09.2016 to 22.11.2016
No of Participants	:	22
Countries Represented	:	Bangladesh, Botswana, Cote d'Ivoire, Estonia, Ethiopia, Guyana, Kenya, Lebanon, Namibia, Nigeria, Philippines, St. Lucia, Tanzania, Uganda, Zambia and Zimbabwe
Programme Objectives: <ol style="list-style-type: none"> 1. To apply competencies and knowledge that are essential for providing, managing, and designing information services in different information environments 2. Use open source tools, for LMS and Digital Library. 3. Define and articulate the need for information. 4. Identify a variety of types and formats of potential sources, for information. 5. Know the variety of information retrieval methods, through online or in person. 6. Use Internet facility, for information retrieval and communication. 7. Protect web resources, from the external threats. 8. Appreciate the use of e-learning. 9. Develop and host web pages. 10. Develop the professional attitudes as well as the interpersonal, intrapersonal and interdisciplinary skills, needed to communicate and collaborate with colleagues and information users. 		
No. of Projects completed by the participants	:	22
Total no of participants trained since inception	:	201

v. **Advanced Certificate Course on “Spatial Information Technology for Urban Planning and Management”**



Batch	:	III
Duration	:	28.09.2016 to 22.11.2016
No of Participants	:	17
Countries Represented	:	Afghanistan, Egypt, Ghana, Iraq, Liberia, Nigeria, Srilanka, Sudan, Uganda, Vietnam, Zambia and Zimbabwe
Programme Objectives: <ol style="list-style-type: none"> 1. Grasp the fundamental concepts of GIS. 2. Digitize the given map with suitable scale. 3. Obtain the map of an area in the raster format from satellite imagery or by scanning. 4. Convert the maps from raster format to vector format. 5. Execute the map corrections to improve the accuracy levels. 6. Generate the necessary attribute data using suitable software tools. 7. Link the geographic and attribute data using appropriate packages. 8. Create appropriate GIS topology in the given package. 9. Operate the identified queries for decision making. 10. Work with GIS modeling phenomena. 11. Develop capabilities to work with standard and open source software in GIS. 12. Present results in appropriate formats using multimedia. 13. Develop the GIS data base for various application of Urban planning and management 		
No. of Projects completed by the participants	:	17
Total no of participants trained since inception	:	37

vi. **Advanced Certificate Course on “Curriculum Design and Instructional Materials Development”**



Batch	:	XXXV
Duration	:	30.11.2016 to 24.01.2017
No of Participants	:	22
Countries Represented	:	Afghanistan, Bangladesh, Ethiopia, Fiji, Ghana, Grenada, Guatemala, Guinea-Bissau, Indonesia, Myanmar, Nigeria, Oman, Swaziland, Syria, Tanzania, Uganda and Uzbekistan
Programme Objectives: <ol style="list-style-type: none"> 1. Analyse the various models and methodologies for design and development of curricula for evolving appropriate adaptations to suit the needs of one's own institutional efficiency and effectiveness. 2. Formulate a frame for the Instructional Design and Delivery System and its sub systems to enhance instructional efficiency and effectiveness. 3. Design, develop and validate a wide range of instructional materials and media to effectively cater to different teaching-learning situations. 4. Evolve strategies of successful implementation of new curricula and programmes. 5. Generate country specific strategies for specific problems in the area of Curriculum Design and Instructional Materials Development. 6. Generate appropriate models for curriculum evaluation with particular emphasis on ensuring relevance, adequacy and effectiveness. 		
No. of Projects completed by the participants	:	23
Total no of participants trained since inception	:	623

vii. **Advanced Certificate Course on “Information and Communication Technology in Education and Training”**



Batch	:	IV
Duration	:	30.11.2016 to 24.01.2017
No of Participants	:	17
Countries Represented	:	Afghanistan, Bangladesh, Ghana, Iran, Iraq, Malaysia, Mauritius, Nigeria, Tanzania, Uganda, Uruguay and Uzbekistan
Programme Objectives: <ol style="list-style-type: none"> 1. To understand the concepts of IT applications in the area of training and administration 2. To provide sufficient knowledge in Database Management System 3. To Understand Intranet / Internet Environment 4. To appreciate the use of e-learning technologies 5. To understand the principles of Learning Management System (LMS) and 6. To understand Information security and Information retrieval. 		
No. of Projects completed by the participants	:	17
Total no of participants trained since inception	:	63

viii. **Advanced Certificate Course on “Educational Media Production for E-Learning”**



Batch	:	II
Duration	:	1.02.2017 to 28.3.2017.
No of Participants	:	23
Countries Represented	:	Afghanistan, Bangladesh, Bhutan, Fiji, Ghana, Mauritius, Russia, Sudan, Syria, Tajikistan, Tanzania, Uganda, Vietnam and Zimbabwe
Programme Objectives:		
<ol style="list-style-type: none"> 1. Comprehend the use of educational media to enhance teaching and learning. 2. Analyze various educational topics and plan storyboard for video production to promote and achieve ever expanding learning outcomes. 3. Develop scripts based on the learning outcomes, content and target audience 4. Plan, organize and produce video programmes to achieve learning objectives. 5. Produce video programmes - Shooting, lighting, recording, editing, graphics, animation and special effects, voicing, presentation, background source etc. 6. Evaluate the developed video programmes for a given target audience 7. Utilize video programmes for regular classroom teaching, self-learning, distance education and Industry – Institute Interaction 8. Integrate the audio/visual media into the modern learning environment 9. Set up and administer Lecture theaters / Media Production centres. 		
No. of Projects completed by the participants	:	5
Total no of participants trained since inception	:	41

Highlights of the Overseas Training Courses during 2016-17

- Sponsored by the Indian Technical and Economic Cooperation Scheme (ITEC) and the Special Commonwealth Africa Assistance Programme (SCAPP) of the Ministry of External Affairs, Government of India.
- A total of 163 participants (teachers and administrators) from 44 countries
- Exposure to Indian culture and tradition through visits.
- Positive feedback received regarding 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.

STUDY VISIT OF OFFICIALS FROM UNIVERSITY OF RADEN FATAH PALEMBANG, INDONESIA

The NITTTR, Chennai in collaboration with CPSC, Manila conducted a programme entitled “Study Visit of Officials from University of Raden Fatah Palembang, Indonesia during 19 – 23 December 2016. Seven delegates attended the programme whose names are: Prof. Dr. Izomidin, Mr. Fahrudin, Dr. Dian Erlina, Mr. Deky Anwar, Ms. Dra. Anisatul Mardiah, Mr. Mukmin, and Ms. Etty Martiani.



VISIT OF THE DELEGATION FROM INSTITUTE OF DIPLOMA ENGINEERS OF BANGLADESH (IDEB)

Institute of Diploma Engineers of Bangladesh is a very large Professional Association with 4,00,000 members in Bangladesh. The IDEB was established in 1970 and it has the following activities. (i) Working for the professional development of its member engineers; (ii) To create a better professional environment; (iii) To establish international linkages; (iv) Recognition for technical education; and (v) Entrepreneurship development. A meeting was conducted in the Seminar Hall for the delegation to meet the members of faculty and the participants of two Overseas Training Programmes on 10.12.2016. Mr. Md. Shamsur Rahman addressed the gathering. The faculty members of NITTTR, Chennai interacted with the members of delegation for future collaboration. The visiting members expressed a deep appreciation of the activities, expertise and infrastructure facilities available in NITTTR, Chennai.



4.2 SHORT-TERM TRAINING PROGRAMMES

a) 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 staffs to enrich their knowledge and to keep themselves abreast with the latest technologies, the institute organised training courses of duration

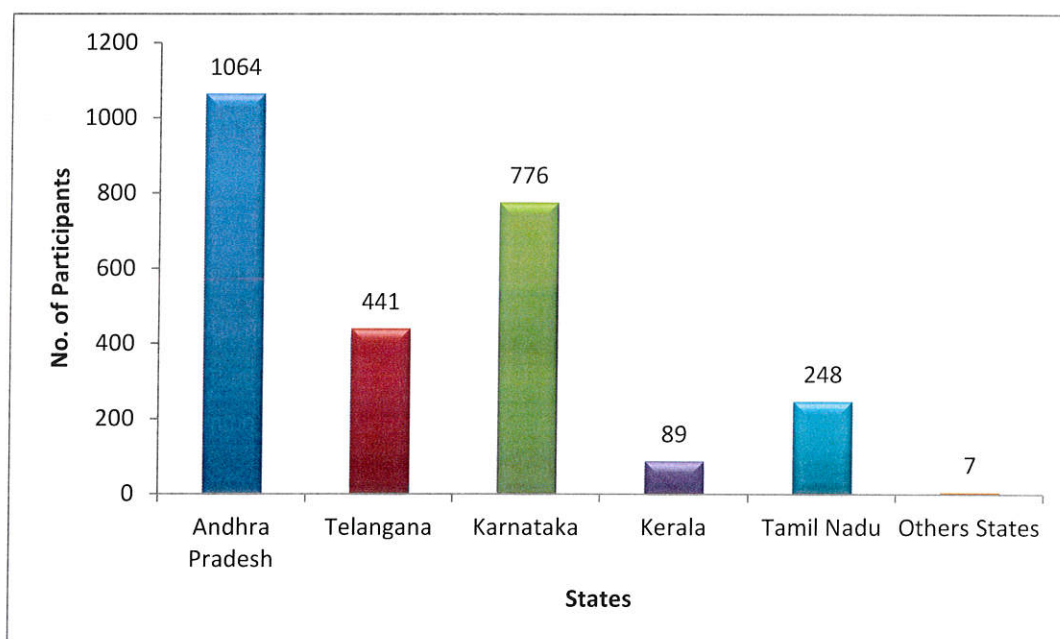
varying between one and two weeks. These training courses are continuously reviewed, modified and redesigned so that the ever expanding and changing needs of teachers are met.

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. The course details, duration and venue were finalized in Programme Development Committee meetings held on 28.02.2016, attended by the representatives of Directorates of Technical Education. These meetings ensured that the courses planned, designed and conducted will cater the training needs of teachers. These staff development courses were organized at the Institute Headquarter in Chennai and its 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
- ▶ Instructional Design and Delivery System (Basic and Advanced Pedagogy)
- ▶ Evaluation of Students Performance
- ▶ Instructional Content Development for Electronic Media
- ▶ Use of free and open source softwares
- ▶ ICT Tools for Teachers
- ▶ Guidance and Counselling
- ▶ Life Skills
- ▶ Curriculum Revision for Diploma Programmes.
- ▶ NBA Accreditation Procedures and Outcome Based Education

The performance in the aforementioned areas during the year under report had been impressive as 131 courses were conducted involving a total of **2625** participants (Male: **1764**, Female: **861**) from the polytechnics (Table 4). Thus till date **74,049** technical teachers from polytechnic system have been trained through **3925** courses.



Number of faculty trained during 2016-17

Table 4: Polytechnic Teachers Training Programmes 2016-17

Sl. No.	TOPIC	No. of Participants
1.	Life Skills	26
2.	Life Skills	23
3.	Instructional Design and Delivery Systems	50
4.	Induction Programme for Newly Recruited Teachers	48
5.	Induction Programme for Newly Recruited Teachers	48
6.	Life Skills	27
7.	Induction Programme for newly recruited Teachers	44
8.	Working with Electrical CAD	24
9.	Curriculum Revision Workshop for V&VI Semester Civil Engineering, Environmental Engineering, Water Technology and Health Sciences, Civil Engineering Draughtsman ship, Public Health Engineering Branches.	25
10.	Software Engineering	20
11.	MATLAB Programming	31
12.	ORACLE - SQL & PL/SQL	10
13.	e-Learning Design	12
14.	Basic Course on LABVIEW Programming	14
15.	Induction Training Programme	43

Sl. No.	TOPIC	No. of Participants
16.	Curriculum Revision Workshop for V&VI Semester Mechanical Engineering, MTT, HPT, IT, WSM Branches.	26
17.	CNC Machines and Programming	23
18.	Library Automation using Open Source Software - KOHA	21
19.	Advanced communications	25
20.	Workshop on English for Polytechnic Teachers	31
21.	Curriculum Revision Workshop for V & VI Semester Electronics and Communication Engg, Mechatronics, Aeronautical Engineering Branches.	26
22.	Induction Programme for newly recruited Teachers	48
23.	Core Java Programming	16
24.	Induction Training Programme	50
25.	8051 Micro Controller and its Applications	27
26.	Advances in Materials and Manufacturing	18
27.	Environmental Chemistry	21
28.	Construction Techniques and Management	18
29.	Applications in Power Electronics Engineering	28
30.	Recent Developments in Textile and Clothing	25
31.	Educational Video Production Workshop for Civil and Architecture Branch Teachers	05
32.	Educational Video Production Workshop for Civil and Architecture Branch Teachers	16
33.	Curriculum Revision Workshop for V&VI Semester Electrical and Electronics, Electronics Instrumentation & Control Engineering Automobile Engineering Branches	28
34.	Earthquake Resistant Structures	17
35.	PHP and MySQL	17
36.	Educational Video Production Workshop for Civil and Architecture Branch Teachers	05
37.	Data Communication and Networking	24
38.	Renewable Energy Sources	25
39.	Mobile Communications	25
40.	Geographical Information System and its Applications	15
41.	Empowering Teachers with Educational Technology	28
42.	Circuit Simulation and PCB Design using MULTISIM	17
43.	Nanotechnology and Applications	14
44.	Curriculum Revision Workshop for V&VI Semester Computer Science and Engg, Information Science and Engg, Metallurgy Engg, Textile Technology, Mining Engg.	22
45.	Optical Fiber Communications	19
46.	Free and Open Source Software in Civil Engineering	15
47.	Cloud Computing	15

Sl. No.	TOPIC	No. of Participants
48.	Computer Aided Design and Manufacturing	10
49.	Induction Training Programme	40
50.	Curriculum Revision Workshop for V&VI Semester Commercial Practice, Modern Office Management, Leather and Fashion Technology, Agriculture Engineering	23
51.	System Troubleshooting and Networking Lab Manual Preparation	15
52.	Educational Social Media Learning	15
53.	Special Electrical Machines and Control	18
54.	Advanced Manufacturing Techniques	13
55.	DSPACE - Digital Library Software	27
56.	IDDS	32
57.	Arm Controller LPC 2148 and its interfacing	05
58.	Curriculum Revision Workshop of ADFT, chemical and polymer and Allied Branches V AND VI Semester	15
59.	VHDL Programming and Implementation in FPGA	05
60.	Advances in Casting and Welding	06
61.	IDDS	24
62.	One Day Workshop for the Development of Learning Material for the Polytechnic Teachers of Tamil Nadu	25
63.	Environmental Laboratory Testing Practice	03
64.	J2EE	05
65.	Schematic and Simulation in SPICE and PCB Design using ORCAD	06
66.	Computer Aided Design and Metrology	04
67.	One Day Workshop for the Development of Learning Material for the Polytechnic Teachers of Tamil Nadu	22
68.	Induction Training Programme	14
69.	PLC and SCADA	03
70.	Advanced Course on PLC	02
71.	Electrical and Electronic systems in Wind and Solar Energy applications	16
72.	Heating Ventilation and Air-Conditioning	10
73.	Instructional Design and Delivery Systems	50
74.	Basic Course on Lab VIEW Programming	09
75.	Evolving Trends in Web-Based Training	12
76.	Industrial control using PLC, Pneumatics and Lab VIEW	16
77.	Instrumentation in Chemical Analysis of Water and Waste Water	23
78.	Computer Applications in Structural Engineering	08
79.	Verilog Programming and Implementation in FPGA	18

Sl. No.	TOPIC	No. of Participants
80.	Automobile Technology	07
81.	E-content Development Workshop for III and IV Semester	23
82.	Outcome Based Education and Accreditation	08
83.	Modeling and Animation using 3Ds MAX	08
84.	E-content Development Workshop for III and IV Semester	29
85.	Civil Engineering Drawing using Auto CAD	11
86.	LINUX System Administration	21
87.	Streaming Media Learning Approaches	09
88.	Embedded System Using 8051 Micro controller	19
89.	Computer Integrated Manufacturing	07
90.	E-Content Development Workshop for III and IV Semester	22
91.	Hydraulics and Pneumatics	20
92.	Geotechnical Engineering	08
93.	Workshop on NBA Accreditation procedure for application	57
94.	Repairs and Renovations of structures	20
95.	Arduino and AVR Micro Controller Programming	20
96.	Brain Storming Session	22
97.	Teaching Yoga for Sport	28
98.	Curriculum Revision Workshop of printing and Allied Branches V And VI Semester	19
99.	HTML 5 and CSS	20
100.	Communication Skills	19
101.	Interactive Multimedia in Classroom Teaching	14
102.	Advances in Heat Treatment and Non Destructive Testing	24
103.	Curriculum Revision Review Workshops of Civil and Allied Branches V and VI Semester	29
104.	Training Programme for Coordinators of Entrepreneur Development Cell	17
105.	Solid Waste Management	14
106.	Python programming	17
107.	Guidance and Counselling	15
108.	Refresher Course on Non-Traditional Machining	17
109.	Disaster Management	13
110.	Curriculum Revision Review Workshops of Mechanical and Allied Branches V and VI Semester	29
111.	e-Lab Manual Preparation using Instructional Technology	14
112.	Soft Skills	18

Sl. No.	TOPIC	No. of Participants
113.	Curriculum Revision Review Workshops of Electrical and Electronics and Allied Branches V and VI Semester	35
114.	Project Management	12
115.	Thermal Power Engineering	15
116.	Induction Training Programme	29
117.	Assessment and Evaluation Techniques for OBE Curriculum	19
118.	Strategic Planning and Institutional Development	15
119.	FOSSEE for Academics	17
120.	Authoring Tools in Multimedia	14
121.	Advances in Welding & Manufacturing	19
122.	Assessment and Evaluation Techniques for OBE Curriculum	16
123.	Environmental Engineering Laboratory Practice - EXCITE Programme – (Excellence in Civil Engineering Teaching)	12
124.	Robotics and Mechatronics for Industrial Automation	20
125.	Educational Measurement and Evaluation	15
126.	NBA Accreditation Procedures	30
127.	Computer Applications in Civil Engineering	17
128.	Assessment and Evaluation Techniques for OBE Curriculum	19
129.	Web 2.0 & Academic Applications	6
130.	Learning Management System – MOODLE	28
131.	Human Resource Management	20
Total		2625

b) 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. Thirty three short-term courses covering **1593** participants (Male: **898**, Female: **695**) covering States like Andhra Pradesh, Karnataka, Kerala & Tamil Nadu were organized (Table 5). Thus, till date, **25096** technical teachers of Engineering colleges have been trained through **623** courses during the past sixteen years.

During this year the courses were conducted in the following areas:

• Effective Teaching Methodologies in Engineering Education	• MAT Lab Programming
• Enhancing Pedagogical Skills	• Model Based Instructions of Outcome Based Education
• Essentials of Pedagogy	• Outcome Based Education
• Innovative Teaching Methodology	• Question Paper Authoring and Evaluation
• Innovative Teaching Methods	• Student Evaluation and QPS
• Instruction Design and Delivery System	• Teaching Methodology
• Instructional Model for Outcome Based Education	• Technology Enabled Teaching Learning Process

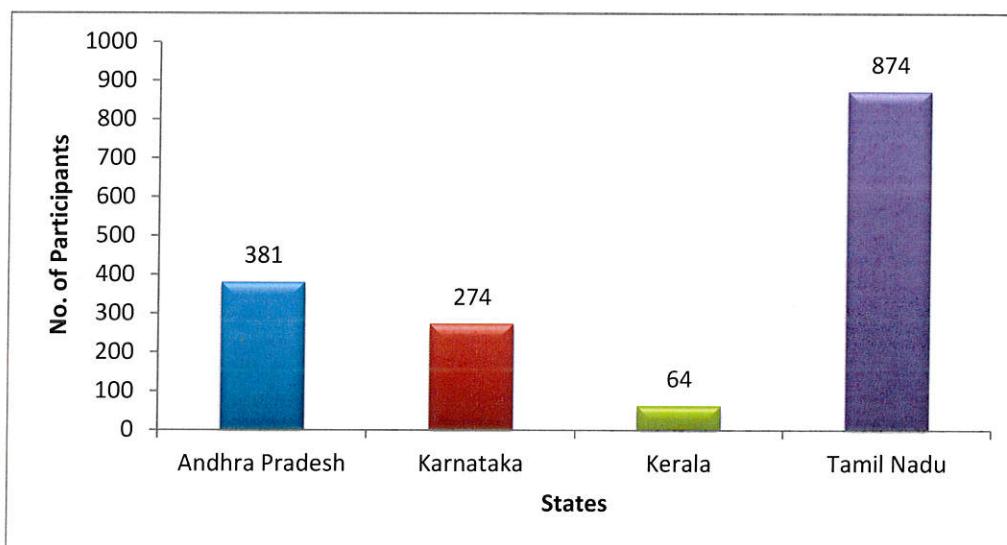


Table 5: Sponsored Engineering College Training Programmes, 2016-17

Sl. No.	Venue	Duration	No. of Participants
1.	Aditya Engineering College, Surampalam, AP	02-07, May 16	50
2.	Vasi Reddy Venkatadri Institute of Technology, Guntur, AP	04-09, June 16	50
3.	AVR & SVR College of Engineering, Nandyal, AP	09-11, June 16	56
4.	Anil Neerukonda Institute of Technology, Visakhapatnam, AP	13-18, June 16	50
5.	Vellammal Engineering College, Chennai, TN	16-18, June 16	51
6.	Kuppam Engineering College, Kuppam, AP	20-25, June 16	47
7.	VPMM Engineering College, Srivilliputtur, TN	25-27, June 16	55
8.	KCG College of Technology, Chennai, TN	27 th June –1 st July 16	49
9.	National Institute of Engineering, Mysuru, Karnataka	11-16, July 16	57

Sl. No.	Venue	Duration	No. of Participants
10.	BNM Inst. of Tech.,Bangalore, Karnataka	18-23, July 16	38
11.	BMS College of Engineering, Bengaluru, Karnataka	25-29, July 16	43
12.	SRK Institute of Technology, Vijayawada, AP	01-06, August 16	50
13.	Nitte. Meenakshi Institute of Technology, Bangalore, Karnataka	01-06, August 16	43
14.	Shri. Sakthi Institute of Engineering and Technology, Coimbatore, TN	16-20, August 16	51
15.	College of Engineering, Guindy, Chennai, TN	21-23, September 16	56
16.	Alagappa College of Technology, Chennai, TN	22-24, September 16	48
17.	Madras Institute of Technology, Chennai, TN	13-15, October 16	48
18.	College of Engineering, Trivandrum, Kerala	17-22, October 16	26
19.	Mount Zion College of Engineering & Technology, TN	07-11, November 16	49
20.	QIS College of Engineering, Ongole, AP	14-19, November 16	53
21.	Tamilnadu Agricultural University, Coimbatore, TN	23-25, November 16	51
22.	Jerusalem Engg. College, Chennai, TN	28 th Nov–03 rd Dec 16	51
23.	Shanmuganathan Engineering College, Arasampatti, Pudukkottai, TN	28 th Nov–03 rd Dec 16	50
24.	Aditya Engineering College, AP	12-16, December 16	25
25.	MNM Jain Engineering College, Chennai , TN	19-24, December 16	55
26.	PSNA College of Engineering & Technology, Dindigul, TN	19-24, December 16	51
27.	Tamilnadu Agricultural University, Coimbatore, TN	28-31, December 16	55
28.	National Institute of Engineering, Mysuru, Karnataka	03-08, January 17	53
29.	JSS Academy of Technical Education, Bangalore, Karnataka	17-21, January 17	40
30.	NIT Trichy, TN	19-21, January 17	45
31.	APJ Kerala Technological University, Kerala	13-15, February 17	38
32.	Tamilnadu Agricultural University, Coimbatore, TN	22-25, February 17	54
33.	Tamilnadu Agricultural University, Coimbatore, TN	15-18, March 17	55
Total			1593

Note: AP – Andhra Pradesh, TN – Tamil Nadu

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 (training & capacity development) learning process, towards developing 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.

National Institute of Technical Teachers Training and Research, Chennai signed MoU with the following institutes during the year 2016-17:

1. Training Institute for Technical Instruction (TITI), Kathmandu, Nepal



Memorandum of Understanding (MoU) for Faculty Exchange Program between NITTTR, Chennai, India and TITI, Kathmandu, Nepal signed on 10.03.2017 at Kathmandu, Nepal

2. Colombo Plan Staff College (CPSC), Manila



Memorandum of Understanding (MoU) between NITTTR, Chennai, India and CPSC, Manila, Philippines signed on 10.03.2017. Both the institutes to cooperate in the following areas:

1. Exploring the potential for joint activities in Education and Training;
2. Identifying opportunities for
 - i) Training professionals staff members in need based customized training programmes;
 - ii) Skills development training programmes;
 - iii) Accreditation training and certification of institutions;
 - iv) Training of accreditators;
 - v) Exchange of faculty and staff for advanced training programmes;
 - vi) Sharing of facilities and human resources.

4.4 INTERNATIONAL SEMINAR/SYMPOSIUM/WORKSHOPS CONDUCTED

A total of five Seminar/Symposium/workshops were conducted during this year. A total of 781 participants from Engineering colleges, Polytechnic colleges, Industries and professionals participated in them. The details of each of these programmes are given below.

a) **International Seminar on “Emerging Trends in Human Resource Empowerment towards Sustainable Development”**

International seminar on “Emerging Trends in Human Resource Empowerment towards Sustainable Development” was organised by NITTTR, Chennai in collaboration with P. S. R. Engineering College, Sivakasi on 6th September, 2016 at P. S. R. Engineering College, Sivakasi. The broad objectives of this international seminar were (i) to know the international human resource practices in technical education; (ii) to develop strategies for strengthening human resource practices in technical education; and (iii) to develop strategies for empowering women through technical education.



Dr. P. Marichamy, Dean (Academic), P. S. R. Engineering College, Sivakasi welcomed the gathering;



Dr. K. Subramanian, Principal, P. S. R. Engineering College, Sivakasi delivered a speech on the importance of human resource empowerment; Thiru. R. Solaisamy, Managing Trustee & Correspondent, P.S.R. Group of Institutions, Sivakasi felicitated the international participants. Prof. Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai delivered the inaugural address. Dr. K. Rajamannar,

Professor & Head, Department of Management Studies, P. S. R. Engineering College, Sivakasi and

coordinator of this seminar presented the objectives of this seminar. Dr. S. Renukadevi, Professor and Head, Department of Engineering Education, NITTTR, Chennai and Dr. G. Janardhanan, Associate Professor, Centre for Environmental Management, NITTTR, Chennai spoke on “Women Empowerment” and “Sustainable Development”, respectively. As part of the seminar, all the participants and dignitaries planted the trees in the campus of engineering college.

A total of 106 Participants from different countries namely Bangladesh, Bhutan, Ghana, Mauritius, South Sudan, Tajikistan and Tunisia in addition to Indian delegates attended this Seminar. The seminar enabled the participants to explore international human resource practices in technical education for women empowerment. This seminar ended with National anthem.

b) International Symposium on “Technical Education as a Tool for Sustainable Development”



An International Seminar on Technical Education as a Tool for Sustainable Development was organised by NITTTR, Chennai in collaboration with Arunai College of Engineering, Thiruvannamalai on 14.09.2016. The broad objectives of this international symposium were (i) To create awareness the status of technical education in the country; (ii) Disseminate information on sustainable development initiatives in technical education; and (iii) Focus on empowerment of women through technical education. A total of 350 Participants from different countries namely Bangladesh, Bhutan, Ghana, Mauritius, South Sudan, Tajikistan and Tunisia in addition to Indian delegates attended this Seminar. The seminar enabled the participants to appreciate the technical education as a tool for sustainable development. This seminar ended with National anthem.

c) International Seminar on “Trends in Urban Planning and Environmental Health Management using GIS”

A one-day International Seminar on "Trends in Urban Planning, Environment and Health Management using GIS" was conducted by the institute in collaboration with Karunya University, Coimbatore & Tamil Nadu Institute of Urban Studies, Coimbatore on 9th November 2016.



Chief Patron: Dr. Paul Dhinakaran, Chancellor, Karunya University , Prof. Dr. Allam Appa Rao, Chairman, BOG, NITTTR, Thiru.Rajendra Ratnoo, IAS, Director i/c,TNIUS.

Patrons: Prof. Dr. Sudhindra Nath Panda, Director, NITTTR. & Dr. M.J.Xavier, Vice Chancellor, Karunya University.

Conveners: Dr.E.S.M.Suresh, Professor & Head, Civil Engg dept, NITTTR, Dr. P.D. Arumairaj, Professor & Head, Dept of Civil &Mech Engg, Karunya University.

Coordinator: Dr. K.S.A.Dineshkumar, Asst Professor, NITTTR.

Number of participants is about 200

Areas covered include:

Understanding the importance of Urban Planning in various aspects of Urban Environment Management; Appreciating use of GIS in smart city planning; Environmental Management and importance of Health by applying GIS tools; Urban Planning; Urban Infrastructure Planning and Management; Environmental Planning; Smart City; and Health Issues.

d) International Workshop on “Infrastructure Planning and Management towards SMART Cities”

One-day International Workshop on “Infrastructure Planning and Management for Smart Cities in Developing Countries” was conducted by the institute in collaboration with VIT University, Vellore on 16th November, 2016. Dr. E.S.M. Suresh, Professor & Head, Civil Engineering Department, NITTTR was convener & Dr. K.S.A. Dineshkumar, Asst Professor, NITTTR was Co –Convener.



Number of participants is about 75

Areas/Case studies covered include:

1. Urban Planning in Urbanization; City Development Plan; Remote Sensing in GPS and GIS for Urban Plan and Management; Urban Growth Study; Sustainable Urban Development and its Approaches.
2. Urban Infrastructure Planning and Management; Urban Water Management; Urban Transportation Planning & Intelligent Transportation & Logistics; Solid Waste Management; GIS for Urban Infrastructure Management.
3. Smart City; Smart Urban Infrastructures and its component; Big Data for Urban Informatics; Smart Buildings/Green Buildings; Innovative Financing Methods and Models; Embedded Computing and Networks for Smart Cities.

e) International Seminar on “Educational Media and Technology”

A one-day International Seminar on “Educational and Media and Technology” was organized by NITTTR, Chennai in collaboration with the Department of Electrical Technology, Karunya University, on 17th March 2017. A total of 50 Indian & International delegates from 14 countries such as Afghanistan, Bangladesh, Bhutan, Fiji, Ghana, Mauritius, Russia, Sudan, Syria, Tajikistan, Tanzania, Uganda, Vietnam and Zimbabwe attended this seminar.

The inaugural ceremony, which was held at the Karunya Competency Development Centre, was graced by Dr. Joseph Kennady, Registrar, Karunya University. In his Presidential address, Dr. Kennady reflected on the surge of technology in imparting education and the need for teachers to understand and adapt to the changing times to impart education with technological aides for better transfer of knowledge. Dr. P. Malliga, Senior System Analyst and Head, Centre for Educational Media and Technology, NITTTR, Chennai, in her keynote address gave the delegates the need and essence of the different seminar topics and commended the efforts of Karunya University in taking steps towards adapting technology to assist teaching. She briefed the audience about NITTTR and their work in the field of Education Technology and thanked Karunya

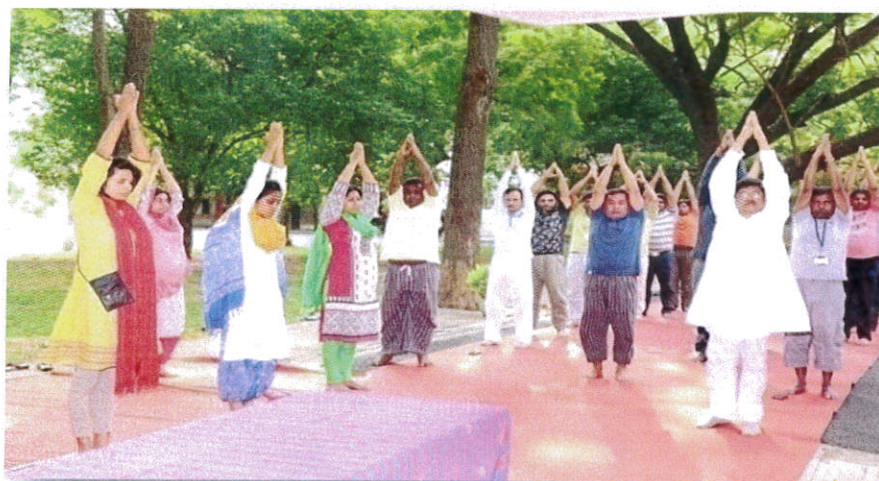


University for this collaborative effort. The day-long seminar included talks on topics such as: MOOC framework and Pedagogy, Why video for learning, ICT in Education, Online tools for effective E-learning and followed by a visit to the facilities available in-house at Karunya University (including professional video and audio studios, smart classrooms, lecture capturing and editing tools) for a hands-on training in lecture capture, material distribution and e-learning.

5.0 CELEBRATION OF NATIONAL DAYS:

1. Second International Yoga Day:

The NITTTR, Chennai celebrated International Yoga day on 21st June 2016 from 07.00 to 08.00 AM. The Mass Yoga Demonstration was led by Yoga Master Prof. S. Krishnamurthi, The World Community Service Centre, Mylai Sky Trust. Around 100 participants participated in the Yoga demonstration followed by Yoga-day celebration, which was held in the seminar hall of the institute.



Dr. S. Renukadevi, Professor and Head, Department of Engineering Education, NITTTR, Chennai delivered the welcome address and spoke on the significance of the Yoga-day celebrations. Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai delivered the presidential address and Shri. M. P. Ponnusamy, Managing Trustee, the World Community Service Centre, Mylai Sky Trust delivered the special address. As part of the celebrations, essay competition (Hindi and English) for NITTTR faculty, staff and school children were organized and prizes were distributed. The celebration ended with National Anthem.



2. Swachhta Day:

Swachhta Pakhwada was celebrated at NITTTR, Chennai from 1st to 15th September, 2016. As part of the celebration, an Essay Writing Competition on “Clean India Mission” for School Children in and around Chennai was conducted. Around 45 students and 5 faculty staff members participated and prizes for the winners were distributed. Swachhta Day was celebrated on 08.09.2016.



3. Rashtriya Ekta Diwas (National Unity Day):

The NITTTR, Chennai celebrated “Rashtriya Ekta Saptah Samaroh” (National Unity Celebrations Week) from (October 31st – November 6th, 2016). In this connection, elocution, essay writing and most creative slogan competitions were conducted for the faculty, staff members and trainees of the Institute and the prizes for the winners awarded on 3rd November, 2016. On “National Unity Day Celebration” Pledge was taken by the faculty and staff members. The Director read out the text message and others repeated the same.



4. National Education Day:

The NITTTR, Chennai celebrated National Education Day on 11th November 2016 in the memory of Shri Maulana Abul Kalam Azad, Veteran freedom fighter and first Education Minister of Independent India. The theme for the year was “Skill Awareness and Empowerment”. This event was coordinated by the Department of Engineering Education. A total of 64 participants attended the celebration. This was an occasion to remember Maulana Azad's contribution to education in this country. As per the theme, institutions should focus on programmes leading to skill development among students. The NITTTR, Chennai a pioneer in teacher training, celebrated National Education Day to focus on enhancing

competencies of teachers for Nation building. Dr. S. Renukadevi, Professor and Head, Department of Engineering Education welcomed the gathering. Prof. Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai delivered the presidential address. In this National day celebration, Dr. Malliga, Sr. System Analyst, Center for Educational Media and Technology, NITTTR delivered lecture on “SWAYAM” which is a technology platform for teacher competency development.

5. Constitution Day Celebration

The NITTTR, Chennai celebrated “Constitution Day” for a week during 21st – 26th November 2016. The



valedictory function was held on 25th November 2016. The function was presided over by Prof. Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai. He delivered the presidential address and spoke on justice, liberty, and equality. Shri K. Kalyan Sundaram (IA&AS) Rtd, Chennai was the Chief Guest. He delivered a talk on the “Importance of Fundamental Duties”. He also talked about eleven fundamental duties and articles which

are in the constitution and mentioned that the day is celebrated to remind people about their duties. As part of the celebrations, essay, elocution, debate and quiz competitions were conducted for the faculty, staff members and trainees of the Institute and prizes for the winners were awarded. The faculty, staff and trainees took an oath on the Preamble and fundamental duties of the constitution.

6. Matribhasha Diwas (Mother Tongue Day Celebration):

The NITTTR, Chennai celebrated “Matribhasha Diwas” (Mother Tongue Day Celebration) from 14th to 16th February, 2017. The celebration was inaugurated by the Prof. Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai and Dr. P. Rasappan, Managing



Director, VRR Bio Medical Science, Chennai. Dr. Panda mentioned that early education in the mother tongue can prepare children for school and faster literacy and critical thinking. The Chief Guest also mentioned that the mother tongue is deeply connected to notions of culture and identity of people. As part of the celebrations, elocution, debate and essay writing competitions in Tamil, Hindi and English languages were conducted for the faculty, staff members and trainees of the institute on topics relating to “Mother Tongue Day” and winners were awarded.

6.0 CURRICULUM DEVELOPMENT

Curriculum Development Centre of the institute was set up in 1970 for revising 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 2016-17, Curricula for 35 programmes consisting of 250 courses were revised for the polytechnics of Karnataka state.

7.0 INSTRUCTIONAL MATERIALS DEVELOPMENT

During 2016-17, the institute has updated the 23 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 under report 27 video programmes were produced for teachers and students of technical education institutions.

9.0 RESEARCH AND CONSULTANCY PROJECTS

The following 5 research and consultancy projects sponsored by various funding agencies were undertaken by the faculty of the Institute (Table 6 & 7):

Table 6: Particulars of Research Projects

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Funds allotted (Rs in lakhs)
i.	Teacher Education under SWAYAM	MHRD, New Delhi	From Oct. 2016	Dr.Sudhindra Nath Panda Dr. P. Malliga Dr. G. Janardhanan Dr. V. Shanmuganeethi	Ongoing	495 .00
ii.	Demonstrating environmentally sound technologies for management of open dumpsites of MSW and transition towards controlled landfilling practices.	Tamil Nadu Pollution Control Board, Chennai.	From 2013 to till date	Dr. G. Janardhanan Dr. K. S. A. Dinesh Kumar	Ongoing	7.17
TOTAL						502.17

Table 7: Particulars of Consultancy Projects

S. No.	Title of the Project	Sponsoring agency	Duration	Name of PI/ Members	Status	Funds Allotted (Rs in lakhs)
i.	Computation of volume using total station & GPS for Athipattu Site	Tamil Nadu Slum Clearance Board, Chennai.	From 2014 to June 2016	Dr. S. Mohan Dr. G. Janardhanan Dr. K. S. A. Dinesh Kumar	Completed	1.46
ii.	Tamil Nadu road sector project training program	Tamil Nadu Road Sector Project Highways, Chennai	From 12.03.2012 to Till date	Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	Ongoing	23.72
iii.	Checking the design & monitoring the land fill Phase II & Phase III	Tamil Nadu Waste Management Limited, Chennai	From 19.03.2012 to December 2016	Dr. G. Janardhanan	Completed	9.50
TOTAL						34.68

10.0 SWAYAM PROJECT

The NITTTR, Chennai has been identified as the National Coordinator on 5th October 2016 to offer Massive Open Online Courses (MOOCs) on teacher



training for the portal called Study Webs of Active-Learning for Young Aspiring Minds (SWAYAM). SWAYAM has been developed under a four-quadrant approach using audio-video methods, e-books, illustrations, text, case studies, research papers, and self-assessment. A one-day Workshop on Teacher Training MOOCs was organised at NITTTR, Chennai on December 14, 2016. Twenty two delegates from four NITTTRs attended the workshop. Since there is no dedicated syllabus for developing technical teacher education programmes, in the country, a detailed deliberation was carried out and 50 courses were finalized under five major sectors namely (a) Fundamentals of Teaching and Learning (b) Technology Enabled Teaching (c) Media and Information literacy (d) Professional Development, and (e) Institutional Development.

An Inter-NITTTR two-days workshop on January 30th and 31st, 2017 was organized at NITTTR Bhopal to finalize the course content for each subject and develop policy paper for delivering the courses. 47 delegates from four NITTTRs attended the meeting.

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 190 polytechnics in the Southern Region as on date.

The number of polytechnics in each State implementing the Scheme of CDTP is presented in the following table:

Andhra Pradesh	Telangana	Karnataka	Kerala	Tamil Nadu	Puducherry	Total
29	18	55	31	56	1	190

The Scheme aims to uplift the rural youth, the school dropouts, the poor, the downtrodden etc.,

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 Development (CRD) 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 CRD assists the MHRD in preparation of various Progress Reports and the expenditure related matters.

During the Year 2016-17, 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 2015-16 submitted by the polytechnics were compiled and forwarded to the Ministry.

The Centre also conducted the following activities during 2016-17

Title	Venue	Date
Review of CDTP Scheme	PSG Polytechnic College, Coimbatore	13 th August 2016
MIS Demonstration	PSG Polytechnic College, Coimbatore	12 th November 2016
Review of CDTP Scheme for the State of Karnataka	Directorate of Technical Education, Bangalore, Karnataka	6 th December 2016
Preparation of Operational Plan for the State of Karnataka	BVVS Polytechnic, Bagalkot, Karnataka	4 th January 2017
Preparation of UC&SOA for the State of Karnataka	Directorate of Technical Education, Bangalore, Karnataka	13 th March 2017

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.

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.

List of Polytechnics in the southern region implementing the 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
Pudhucherry	Women's Polytechnic , Lawspet
Kerala	Government Polytechnic, Kottayam
	Sree Rama Government Polytechnic, Thriraprayar
Karnataka	Smt. L.V. Government Polytechnic, Hassan
	Government Polytechnic for Women, Mangalore
	Government Polytechnic, Belgaum

Achievements:

The particulars of Persons with Disabilities admitted (in 1st year – on roll)/trained during the year 2016-17 are given below

PWD STUDENTS	
FORMAL DIPLOMA PROGRAMMES (Admitted)	NON-FORMAL COURSES (Trained)
88	230

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

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

The implementation of the scheme was monitored through constant interaction with the officials of the concerned project polytechnics.

13.0 ESTABLISHMENT OF VIJAYAWADA EXTENSION CENTRE

Consequent to the bifurcation, an exclusive NITTTR Centre was needed to cater to the faculty development and other needs of the state of Andhra Pradesh. Dr. C.R. Nagendra Rao (Professor of Extension Centre, Hyderabad) transferred as the Professor and Head of the Extension Centre, Vijayawada, Andhra Pradesh and he has started reporting from Vijayawada Extension Centre from January 2017 onwards.

14.0 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:-

1. A one-day Hindi workshop was organized by Hindi Cell of our Institute on 09.05.2016 and twelve participants attended this Workshop.
2. A one-day Hindi workshop was organized by Hindi Cell of our Institute on 28.07.2016 and sixteen participants attended this Workshop.
3. On 30.08.2016 an elocution & essay competition in Hindi on "Internet Social Media and Students" for school children in and around Chennai was conducted. Around 6 Schools and 59 students participated and the prizes for the winners were awarded on the occasion of celebration (Hindi Day) on 02.09.2016.
4. Hindi Pakhwada was celebrated in the Institute from 30th and 31st August 2016. Various competitions viz. Hindi – Essay writing, Copying a given Hindi paragraph in neat handwriting (for Group 'D'), Hindi Anthakshari & Hindi Debate were conducted for the faculty, staff members and trainees of the Institute. Dr. Chitti Annapurna, Prof. & Head, Department of Hindi, University of Madras, Chennai was the Chief Guest of the Function and Dr. N. K. Tyagi, Independent Consultant, Land Water and Environment, Formerly Director ICAR-CSSRI, Member ASRB (ICAR) New Delhi was the Guest of Honour.



5. A one-day Hindi workshop was organized by Hindi Cell of our Institute on 22.02.2017 and twenty five participants attended this workshop.

15.0 FACULTY NEWS

a) Faculty Development through Seminar Series:

In order to foster and enhance an academic environment and widen the knowledge and information base of the faculty members and trainees, our Director Professor Dr. Sudhindra Nath Panda has started a Friday Lecture Series on 21st October 2016 (Table 8). Thus, faculty members of our institute delivered lecture on the topic of common interest and they are meant for an interdisciplinary academic audience. Apart from the faculty members, other eminent experts from outside also delivered lectures. On March 17, 2017 Friday lecture series was taken to the greater audience through A-VIEW. Around seven institutes were connected through A-VIEW for sensitizing faculty members on the concepts of entrepreneurship. This seminar is coordinated by Dr. G. Janardhanan.



Table 8: Particulars of Topics in the Seminar Series

S. No	Date	Topic	Speaker
1	21-10-2016	Career Development Prospects of Faculty Members	Prof. Sudhindra Nath Panda
2	28-10-2016	DACUM Process Relevant for Skill Training	Prof. S. Dhanapal
3	04-11-2016	Naïve Bayes Probability Theory in Extracting Concepts from the Web	Prof. T. Gnana Sambanthan
4	11-11-2016	Developing Teacher Education MOOC through SWAYAM	Dr. P. Malliga
5	18-11-2016	Essentials of Outcome Based Education & Accreditation for Engineering Programme	Dr. E.S.M. Suresh
6	25-11-2016	Introduction to Nanotechnology	Dr. R. Santhakumar
7	02-12-2016	Developing Student Support Instructional Material	Dr. G. Janardhanan
8	09-12-2016	Internet of Things (IOT)	Dr. V. Shanmuganeethi
9	16-12-2016	Intellectual Property Rights	Dr. K.S. Giridharan
10	23-12-2016	Nano Science for Energy Needs	Dr. S. Somasundaram

S. No	Date	Topic	Speaker
11	30-12-2016	Open Educational Resource (OER) & CC licensing	Mr. A.P. Felix Arokiya Raj
12	06-01-2017	Restructuring Polytechnic Education (Part-I)	Dr. T. Jagathrakshakan
13	13-01-2017	Restructuring Polytechnic Education (Part-II)	Dr. T. Jagathrakshakan
14	20-01-2017	Need for Guidance & Counseling	Dr. R. Rajendran
15	27-01-2017	Curriculum Evaluation	Dr. G. A. Rathy
16	03-02-2017	Lesson from Nature	Dr. K. S. A. Dinesh kumar
17	10-02-2017	E-Procurement Procedure	Dr. R. Santhakumar
18	17-02-2017	Introduction to NPL	Dr. S. Renukadevi
19	03-03-2017	Personality Development	H.H. Manamedhananda Swamiji
20	10-03-2017	Importance of Statistics in Engineering Education	Dr. R. Rajendran
21	17-03-2017	Entrepreneurship Development in Engineering Education (Part-I)	Prof. V. Thanikachalam
22	24-03-2017	Entrepreneurship Development in Engineering Education (Part-II)	Prof. V. Thanikachalam
23	31-03-2017	Optical fiber communication in public Domain	Er. Umasanker Sahu

b) Training Programmes/Seminar/Conference and Workshops attended:

1. Dr. E.S.M. Suresh:

- "Outcome Based Education and Accreditation for Programme Evaluators" at Anna University Chennai on 21.05.2016.
- The National conference for awareness on "National Academic Depository" (NAD) organised by MHRD, Govt. of India at New Delhi on 09.09. 2016.

2. Dr. S. Renukadevi:

- A five days training programme on "NLP Practitioner course" at Indian Academy of Training & Development, Chennai during the weekends from 03.12. 2016.
- A workshop on "Energy for Success" at Strategy Nxtgen at Chennai on 12.03. 2017.

3. Dr. R. Santhakumar:

- A training programme on "Biogas Technology" at TNAU, Coimbatore from 27.12.2016 to 30.12.2016.

- (b) A training programme on “E-procurement” from 03.01.2017 and 04.01.2017 at University of Madras, Chennai
 - (c) A training programme on “Gender Budgeting for Master Trainers” at NIRD, Hyderabad from 01.02.2017 to 03.02.2017.
4. Dr. P. Malliga:
- (a) GIAN course on “Media, Culture and Society” at IIT Kharagpur, from 02.05.2016 to 08.05.2016.
 - (b) ICT Academy Bridge Conference at ITC Grand Chola, Chennai on 01.03. 2017.
5. Dr. G. Janardhanan:
- (a) GIAN training programme on “Designing and Developing Flipped Classroom, e-learning instruction for Engineering and Science Education” from 09.05.2016 to 18.05.2016.
 - (b) One-day Orientation Workshop on “Outcome Based Education and Accreditation for Programme Evaluators (PEVs)” at Indian Institute of Technology, Madras on 12.11. 2016.
 - (c) India Leadership Summit organized by ICT Academy on 28.02. 2017.
 - (d) India Convergence 2017: Bridge by ICT Academy on 01.03. 2017.
6. Dr. K.S. Giridharan:
- (a) A training programme on “Biogas Technology” at TNAU, Coimbatore from 27.12.2016 to 30.12.2016.
 - (b) A training programme on “Gender Budgeting for Master Trainers” at NIRD, Hyderabad from 01.02.2017 to 03.02.2017.
7. Er. M. Senthil Kumar:
- (a) A training programme on “Research Trends in Mechanical Engineering” at NIT, Tiruchirapalli from 29.08.2016 to 03.09.2016.
 - (b) A training programme on “Computational Fluid Dynamics” at NIT Tiruchirapalli from 12.12.2016 to 16.12.2016.
8. Dr. V. Shanmuganeethi:
- (a) A Workshop for National Academic Depository (NAD) conducted at CUSAT, Cochin on 26.09. 2016.
 - (b) India Leadership Summit organized by ICT Academy on 28.02.2017.
 - (c) India Convergence 2017: Bridge by ICT Academy on 01.03.2017

9. Shri. A.P. Felix Arokiya Raj:

- (a) A workshop on "How to publish with Taylor & Francis" at Anna University on 03.08.2016.
- (b) A workshop on "Developing Psychometric Measures" at IIT Madras from 07.09.2016 to 12.09.2016.
- (c) A training programme on "MSME – Digital Marketing" at MSME, Chennai four weekends – starting from 15.10.2016.
- (d) A two days training on "MOODLE" at NITTTR Bangalore Extension Center from 19.12.2016 to 20.12.2016.

10. Dr. P. Sivasankar:

- (a) A three days training programme on "Cooperative 4G/ 5G MIMO Wireless Communications" at Department of Electrical Engineering, IIT Kanpur from 27.05.2016 to 29.05.2016

c) Papers Presented in Conferences:

- 1. Dhanapal, S. and Sudhindra Nath Panda (2017). *NSQF and NOS – A status report for India and a scheme of learner assessment for training under NOS*. Paper presented at the International Seminar on 'National Vocational Qualification Framework' at Kathmandu, Nepal conducted by Council for Technical Education and Vocational Training (CTEVT), Nepal in collaboration with CPSC, Manila.
- 2. Renukadevi, S. (2016). *Quality of work life of polytechnic teachers*. Paper presented at the 3rd International Conference by the Dept. of Applied Psychology of the Pondicherry University and 6th InSPA International Conference, 2016 held on 13-15, October, 2016 at Pondicherry University, Puducherry.

d) Papers published in Journals:

- 1. Rathy, G. A. and Aravind Balaji (2016). Control and interfacing of BLDC motor with LABVIEW Using MYRIO. *International Journal of Research in Advent Technology*, 4(8), 97-101.
- 2. Rathy, G.A. and Sivasankar, P. (2017). Cascade control trainer using PID in programmable logic controllers. *International Journal of Electronics, Electrical and Computational System*, 6(1), 61-70.
- 3. Shankar, T., Karthikeyan, A., Sivasankar, P. and Rajesh, A. (2017). Hybrid approach for optimal cluster head selection in WSN using LEACH and monkey search algorithms. *Journal of Engineering Science & Technology*, 12(2), 506-517
- 4. Purushothaman, P., Suppiah, S., and Suresh, E. S. M. (2016). Design and development of curriculum for. B.Tech Civil engineering students with leading choices in multi-disciplinary areas. Annual Technical Volume of Interdisciplinary Technology Development in India: Climate Responsive Technologies, The Institution of Engineers (India), 1, 67-70.

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, DOTEs, Deemed Universities and Autonomous Engineering Colleges and Polytechnics either as members of Expert Committees or as Resource persons for workshops.

16.0 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 Secondary Education & Higher Education) for its continued support to all its programmes and activities;
- II. The Ministry of External Affairs for supporting Overseas Training Courses (OTC);
- 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 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.

17.0 BOARD AND SUBCOMMITTEES

The composition of the Board of Governors, Finance Committee and other various committees of the Board are given in Appendices I, II and III of this report.

APPENDICES

Appendix I

NITTTR CHENNAI SOCIETY AND BOARD OF GOVERNORS

(As on 31.03.2017)

Chairman

Prof. Dr. Allam Appa Rao

Chairman – BOG of NITTTR, Chennai

Member-Secretary

Prof. Dr. S. Dhanapal

Director in-charge (up to 31.05.2016)

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

Prof. Dr. Sudhindra Nath Panda

Director (From 01.06.2016)

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

MEMBERS

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

Joint Secretary (TEL)

Department of Higher Education
Ministry of Human Resource Development
Government of India
Shastri Bhavan, New Delhi - 110 001.

Joint Secretary and Financial Adviser (HRD)

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

Representative of the AICTE

1 **Prof. Alok Prakash Mittal** (From 23.07.2016)

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

Faculty Representative

1. **Prof. Dr. S. Dhanasekaran** (up to 31.05.2016)
Professor & Head, Electrical & Electronics
Engineering Department
NITTTR, Chennai – 600 113.
2. **Prof. Dr. S Dhanapal** (From 01.06.2016)
Professor & Head, Centre for Curriculum
Development
NITTTR, Chennai – 600 113.

FINANCE COMMITTEE

Chairman

Prof. Dr. Allam Appa Rao
Chairman – BOG of NITTTR, Chennai

Members

Joint Secretary (TEL)
Department of Higher Education
Ministry of Human Resource Development
Government of India
Shastri Bhavan
New Delhi - 110 001.

Joint Secretary and Financial Adviser (HRD)
Integrated Finance Division
Ministry of Human Resource Development
Department of Higher Education
Government of India
Shastri Bhavan, New Delhi – 110 001.

Member-Secretary

Prof. Dr. S Dhanapal (up to 31.05.2016)
Director in-charge
National Institute of
Technical Teachers Training and Research
Taramani, Chennai-600 113.

Member-Secretary

Prof. Dr. Sudhindra Nath Panda (From 01.06.2016)
Director
National Institute of
Technical Teachers Training and Research
Taramani, Chennai-600 113.

SUB COMMITTEES OF THE BOARD**1. STAFF SELECTION COMMITTEE
[As per AICTE Norms]****Members**

Chairman
Board of Governors
NITTTR, Chennai – 600 113.

Director
NITTTR, Chennai – 600 113.

Head of the Department in the rank of Professor
NITTTR, Chennai – 600 113.

Nominee of AICTE in the rank of Professor

Two Subject Experts

2. BUILDINGS COMMITTEE**Chairman**

Director of Technical Education (up to December 2016)
Directorate of Technical Education
Government of Tamil Nadu
Guindy, Chennai-600 025.

Dr. Selvi Rajan (From January 2017)
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

Dr. C.R. Nagendra Rao
Professor In-Charge/Administration
NITTTR, Chennai -600113.

Members

Dr. P Malliga
Sr. System Analyst
NITTTR, Chennai -600113.

Dr. K.S. Giridharan
Assistant Professor in Education
NITTTR, Chennai – 600 113.

External Members

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

1. ACADEMIC COUNCIL**Chairman**

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

Members

All Professors / Heads of Departments/Centers

Two Associate Professors

Two Assistant Professors

Two Eminent Persons from the Field of Technical Education

2. BOARD OF STUDIES FOR ALL ACADEMIC PROGRAMMES

- | | | | | |
|----|---|---|------------------|--------------------|
| 1. | Dr. S. Dhanapal | - | Chairman | (up to 31.05.2016) |
| 2. | Dr. Sudhindra Nath Panda | - | Chairman | (From 01.06.2016) |
| 3. | Dr. C.R. Nagendra Rao | - | Member Secretary | (up to 31.07.2016) |
| 4. | Dr. T. Jagathrakshakan | - | Member Secretary | (From 01.08.2016) |
| 5. | All Professors | | | |
| 6. | All Overseas Training Course Coordinators | | | |

GRIEVANCE REDRESSAL COMMITTEE

Dr. V.K. Natarajan
Professor & Head,
Centre for Rural Development

Chairman (up to 30.06.2016)

Dr. T. Gnana Sambanthan
Professor & Head,
Department of Computer Science and
Engineering

Chairman (From 01.07.2016)

Dr. P. Malliga,
Sr. System Analyst and Head i/c,
Centre for Educational Media and
Technology

Member

Dr. G.A. Rathy
Associate Professor and Head i/c,
Department of Electrical, Electronics and
Communication Engineering

Member

PUBLIC INFORMATION OFFICER

Dr. R. Ravichandran
Sr. Librarian
Resource Centre

**COMMITTEE FOR PREVENTION OF SEXUAL HARASSMENT
OF WOMAN AT WORK PLACE**

Dr. S. Renukadevi Professor & Head Dept. of Engineering Education	Chairperson
Dr. S Dhanapal Professor & Head Centre for Curriculum Development	Member
Sr. Administrative Officer NITTTR, Chennai	Member
Smt. R. Vanajakumari Sr. P.A. to Director	Member

PARTICULARS OF COMMITTEE MEETINGS

	No.	Date	Venue
Board of Governors	34 th	23.04.2016	Held at Extension Centre Kalamassery
	35 th	23.07.2016	Held at Extension Centre Hyderabad
	36 th	22.12.2016	NITTTR, Chennai
Finance Committee	33 rd	23.04.2016	Held at Extension Centre Kalamassery
	34 th	23.07.2016	Held at Extension Centre Hyderabad
	35 th	22.12.2016	NITTTR, Chennai

LIST OF FACULTY

DIRECTOR IN-CHARGE	Dr. S. Dhanapal (up to 31.05.2016)
DIRECTOR	Dr. Sudhindra Nath Panda (From 01.06.2016)
Centre for Research and Consultancy	Dr. Sudhindra Nath Panda Director
Centre for Curriculum Development	Dr. S. Dhanapal Professor & Head
Centre for Environmental Management	Dr. G. Janardhanan Associate Professor & Head i/c
Centre for International Affairs	Dr. T. Jagathrakshakan Professor & Head
Centre for Rural Development	Dr. V.K. Natarajan Professor & Head (up to 30.06.2016)
	Dr. R. Santhakumar Professor & Head (From 31.08.2016)
	Dr. K.S. Giridharan Assistant Professor
Centre for Educational Media and Technology	Dr. P. Malliga Sr. System Analyst Head i/c
	Shri A.P. Felix Arokiya Raj Assistant Professor
Department of Civil Engineering	Dr. E.S.M Suresh Professor and Head
	Dr. K.S.A. Dinesh Kumar Assistant Professor

**Department of Computer Science
and Engineering**

Dr. T. Gnana Sambanthan
Professor / EDP Manager

Dr. V. Shanmuganeethi
Assistant Professor

**Department of Electrical,
Electronics and Communication
Engineering**

Dr. G Kulanthaivel
Professor
(Presently on deputation to CPSC, Manila, Phillipines)

Dr. G.A. Rathy
Associate Professor and Head i/c

Dr. P. Sivasankar
Assistant Professor

**Department of Engineering
Education**

Dr. S. Renukadevi
Professor & Head

**Department of Educational
Management and Applied
Psychology**

Dr. R. Rajendran
Associate Professor and Head i/c

**Department Mechanical
Engineering**

Er. M. Senthilkumar
Assistant Professor

Dr. S. Somasundaram
Assistant Professor

Extension Centre, Bangalore

Dr. P. Arunkumar
Professor & Head

Er. V. Sivakumar
Associate Professor

Extension Centre, Hyderabad

Er. Umasanker Sahu
Associate Professor & Head i/c

Extension Centre, Kalamassery

Er. Philip Kurian
Associate Professor & Head i/c

Extension Centre, Vijayawada

Dr. C.R. Nagendra Rao
Professor & Head

Resource Centre

Dr. R. Ravichandran
Sr. Librarian

HOSTEL

Warden

Dr. S. Dhanapal (up to 31.05.2016)
Director in-charge

Dr. Sudhindra Nath Panda (From 01.06.2016)
Director

Deputy Warden

Dr. P. Malliga
Sr. System Analyst
Centre for Educational Media and Technology

Assistant Warden

Dr. V. Shanmuganeethi (up to 23.11.2016)
Assistant Professor
Dept. of Computer Science & Engineering

Dr. S. Somasundaram (From 24.11.2016)
Assistant Professor
Dept. of Mechanical Engineering

Dr. K.S. Giridharan (From 02.02.2017)
Assistant Professor
Centre for Rural Development

Part-II

REPORT ON ACCOUNTS 2016-17

**As Audited by the
PRINCIPAL DIRECTOR 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 2017**

We have audited the attached Balance Sheet of the National Institute of Technical Teachers' Training and Research, Chennai as at 31 March 2017, 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 2017-2018. 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 (except mentioned in comment No C-4 to C-7 and Annexure 2 (iii)), 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 Balance Sheet

1. Schedule 4 – Fixed Assets and Schedule – 8 Current Assets- Loans, Advances and Deposits

As per Annual Accounts, Capital Work in Progress was Rs 12,39,03,685 and Deposits with CPWD was Rs 8,15,74,243 as on 31.3.2017.

Whereas as per Form 65 furnished by CPWD, out of total deposit of Rs 19,67,80,005, Rs 4,02,78,823 was transferred for Electrical work and

Rs 15,91,06,728 was available for Civil Work. Out of Rs 15,91,06,728 available for civil work, Rs 7,71,31,343 had been utilized and unutilised balance was Rs 8,24,35,985. The balances were not reconciled with CPWD.

2. Schedule 3 current liabilities Schedule 3(a) – Sponsored Projects SWAYAM project Rs 4.95 crore and Schedule 8 (7) (a) – Debit balance in Sponsored Projects: SWAYAM project expenses Recoverable – Rs 15,50,409

As per Schedule 3 (a), expenditure incurred for the above project during the year was NIL. However, as per Schedule 8, project expenses (recoverable) was Rs 15,50,409. The difference was not reconciled / rectified.

3. NPS Tier –I Account – Balance at Bank - Rs.51,834

As per the accounts of NPS Tier –I, the balance at bank as at the end of the year was Rs.51,834. Whereas as per the Cash book, the balance was Rs.2,58,296. Eventhough the difference was identified, it was not rectified.

4. Corpus Fund Account – Rs 22,93,817

Corpus Fund was separated from the Main Financial Statement of the Institute. Separate set of Financial Statements viz., Balance Sheet, Income & Expenditure Account and Receipts & Payments account have been prepared for Corpus Fund. This is not in conformity with MHRD format of Accounts, which stipulates that Corpus Fund should be accounted in Schedule 1 A under Schedule 1 - Capital Fund within the Main Financial Statements of the Institute.

5 Schedule 4 - Fixed Assets Rs 23.10 crore

Actual cost of acquisition was not shown under Gross Block. Instead, the written down value of the assets on 1.4.2016 was shown as opening balance of Gross Block and depreciation on Straight Line Method was applied on the above value. Further, as per the disclosure in Point No. 4 of Schedule 24 (Significant Accounting Policy) 'depreciation was calculated as per WDV method' needs to be corrected and depreciation should be charged retrospectively on the original cost of Assets and its impact should be disclosed in Notes on Accounts. Further disclosure made in Schedule 24 should be revised accordingly (i.e) Depreciation was provided on the basis of Straight Line Method.

6. Fixed Deposits – GPF Account – Rs 3,71,49,110 and OTC Account- Rs 6,32,00,000

Difference between figures accounted under Fixed deposits in respect of GPF and OTC accounts in the annual accounts and as per the certificates produced to audit were as follows:

	Fixed Deposits As per Annual Accounts	Fixed Deposits As per the certificates produced to audit	Difference
GPF	3,71,49,110	3,29,14,078	42,35,032
OTC	6,32,00,000	18,08,25,382	11,76,25,382

These needs to be reconciled.

B General

1 Provision for retirement benefits had not been made on actuarial valuation basis as stipulated in Accounting Standards 15.

2. Closing Balance as per Receipts & Payments Account had not been segregated as Balance in Deposit Account and balance in Savings / Current Account in respect of

Project, OTC and Grant Accounts. Instead, they have been clubbed and exhibited as a single figure.

3. Cash Book was not maintained for Rajiv Gandhi Fellowship Scheme Account, Statutory payment Account and Tamil Nadu State Apex Co-op Bank Ltd-Athletic Account.

4. Though the accrued interest on deposits in respect of GPF and OTC Accounts have been accounted in the revised accounts, disclosure was not changed accordingly in Schedule- 24 – Significant Accounting Policies.

C 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 Rs.1.16 crore and deficit decreased by Rs 0.85 crore.


D Grants-in-aid

Out of the Grants-in-aid of Rs 26.26 crore received for the year 2016-17 and Rs 15.93 crore being unspent balance of the previous year, the Institute could utilize Rs 22.65 crore leaving a balance of Rs 19.54 crore as unutilized grant as on 31st March 2017.

- 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 2017; and
- b. In so far as it relates to Income & Expenditure Account, of the deficit for the year ended on that date.

For and on behalf of the C&AG of India

Place : Chennai
Date : 08.01.2018


Principal Director of Audit (Central),
Chennai

Annexure to Separate Audit Report

1 Adequacy of Internal Audit System:

Internal audit system was not adequate. Internal audit for the year 2016-17 was done by an external agency. Scope and extent of internal audit were not defined. Internal audit report for the period 2016-17 was also not issued by the agency to the Management of the Institute.

2 Adequacy of Internal Control System:

Internal control system is inadequate for the following reasons:

- i. Certain items of Deposits from students, Sundry creditors, statutory liabilities and other current liabilities and Institute's contribution to OTC Account were not traced out/ identified / reconciled.
- ii. Consolidated Fixed Assets Register had not been maintained

3 System of Physical verification of Fixed Assets:

Physical verification of Fixed Assets was not done for 2016-17.

4 System of Physical verification of Inventory:

Physical verification of Inventory was not done for 2016-17.

5 Regularity in payment of statutory dues

The Institute was regular in payment of statutory dues



Director/ CE

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

ANNUAL ACCOUNTS 2016-17

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI CHENNAI -600113
BALANCE SHEET AS AT 31.03.2017

		Amount in Rs.		
SOURCES OF FUNDS	Schedule	Current Year 2016-17	Previous Year 2015-16	
CORPUS/CAPITAL FUND	1	258664276.03	201629248.58	
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	360151.00	360151.00	
CURRENT LIABILITIES & PROVISIONS	3	310344919.43	190124638.00	
TOTAL		569369346.46	392114037.58	

		Amount in Rs.		
APPLICATION OF FUNDS	Schedule	Current Year 2016-17	Previous Year 2015-16	
FIXED ASSETS	4	231049837.00	170689912.00	
Tangible Assets				
Intangible Assets				
Capital Works-In-Progress				
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5			
Long Term				
Short Term				
INVESTMENTS- OTHERS	6			
CURRENT ASSETS LOANS	7	248964893.46	127584774.58	
ADVANCES & DEPOSITS	8	89354616.00	93839351.00	
TOTAL		569369346.46	392114037.58	

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 31.03.2017

Particulars			Amount in Rs.	
	Schedule	Current Year 2016-17	Previous Year 2015-16	
INCOME:				
Academic Receipts	9	744900.00	811001.00	
Grants / Subsidies	10	158964281.57	130927161.00	
Income from investments	11	5262400.00	1038479.00	
Interest earned	12	42003.00	56468.27	
Other Income	13	8134957.84	4043050.39	
Increase/Decrease in Stock WIP				
Prior Period Income	14	0.00	0.00	
TOTAL (A)		173148542.41	136876159.66	
EXPENDITURE				
Staff Payments & Benefits (Establishment expenses)	15	139946212.00	110846575.00	
Academic Expenses	16	0.00	0.00	
Administrative and General Expenses	17	11788053.39	11242119.41	
Transportation Expenses	18	268804.00	196842.00	
Repairs & Maintenance	19	2146785.00	1388701.00	
Finance costs	20	0.00	0.00	
Depreciation	4	7169023.00	4670824.00	
Other Expenses	21	0.00	0.00	
Prior Period Expenses	22	0.00	0.00	
Plan General Expenses	23	22323585.57	20095119.00	
TOTAL (B)		183642462.96	148440180.41	
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		-10493920.55	-11564020.75	

Significant Accounting Policies
 Contingent Liabilities and Notes to Accounts

SCHEDULE -1 CORPUS/CAPITAL FUND

Particulars		Amount in Rs.	
		Current Year 2016-17	Previous Year 2015-16
Balance at the beginning of the year		201629248.58	205061587.33
Add:	Contributions towards Corpus/Capital Fund		
Add:	Grants from UGC, Government of India and State Government to be utilized for capital expenditure	67528948.00	8485097.00
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:	CPWD Deposit Difference		153973.00
Total		269158196.58	213700657.33
Less:	Omission on Opening Plan General Income Receivable W/off Outstanding Expenses 2014-15 Opening Diff		-507388.00
Add:	Plan Grant Revenue Expenditure Excess of Income over expenditure transferred from the Income & Expenditure Account	-10493920.55	-11564020.75
Total		258664276.03	201629248.58
(Deduct)Deficit transferred from the Income & expenditure Account			
Balance at the year end			

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

Particulars						Amount in Rupees		
						Total		
						PWD	AICTE	Rajiv Gandhi
						Scheme	SDP	N FW
								Year
								Year
A.								
a) Opening Balance						293029.00	43100.00	24022.00
b) Additions during the year								360151.00
c) Income from investments made of the funds								
d) Accrued Interest on investments/Advances								
e) Interest on Savings Bank a/c								
f) Other additions (Specify nature)								
Total (A)						293029.00	43100.00	24022.00
								360151.00
B.								
Utilisation/Expenditure towards objectives of funds								
i) Capital Expenditure								
ii) Advance to CPWD								
ii) Revenue Expenditure								
Total (B)						0.00	0.00	0.00
								0.00
Closing balance at the year end (A - B)						293029.00	43100.00	24022.00
								360151.00
Represented by								
Cash And Bank Balances								
Investments								
Interest accrued but not due								
Total								

SCHEDULE 2A
ENDOWMENT FUNDS

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

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

Notes

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

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

Amount in Rupees		
	Current Year 2016-17	Previous Year 2015-16
A. CURRENT LIABILITIES		
1. Deposits from Staff		
Caution Deposit for staff Quarters	70,000.00	60,000.00
Staff Quarters	41,582.00	40,582.00
2. Deposits from Students		
Caution Deposit for Ph.D	25,500.00	25,500.00
Scholarship for M.Tech - HRD Deposit	224,875.00	224,875.00
Boarding Charges - Hostel	42,480.00	42,480.00
Research Scholar - FIP	170,000.00	170,000.00
Emerging Area Course Fees Refundable	2,000.00	2,000.00
3. Sundry Creditors		
a) For Goods & Service		
Cofmow Equipments	81,889.00	81,889.00
Tamil Nadu Book House	2,731.00	2,731.00
b) Others	291,298.00	255,456.00
4. Deposit- Others (including EMD, Security Deposit)		
AICTE UKIERI Work shop		
Earnest Money Deposit	469,245.00	508,245.00
Community Hall Deposit	41,285.00	38,265.00
Caution Deposit for Canteen	8,000.00	8,000.00
Security Deposit	483,751.00	483,751.00
GSLIS	10,971.00	10,971.00
5. Statutory liabilities (GPF, TDS WC TAX, CPF, GIS, NPS):		
a) Overdue		
b) Others		
Property Tax Payable	130,382.00	130,382.00
Duties and Taxes	25,911.00	12,085.00

6. Other Current Liabilities		
a) Salaries		11,851,364.00
b) Receipts against Sponsored Projects	44,497,531.00	8,214,248.00
OTC	8,214,248.00	
Project Account 2013-14		
c) Receipts against sponsored fellowships & Scholarships		
d) Unutilised Grants	195,452,116.43	159,345,346.00
e) Grants in advance		
f) Other funds : Corpus Fund	104,000.00	104,000.00
g) SWAYAM Sponsored Projects	49,500,000.00	
h) Other Liabilities :		
IDDS	686,399.00	70,699.00
CPSC	31,921.00	
NIWE	112,998.00	
Total (A)	300,721,113.43	181,682,869.00
B. PROVISIONS		
1. For Taxation		
2. Gratuity		
3. Superannuation Pension		
4. Accumulated Leave Encashment		
5. Trade Warranties /Claims		
6. Outstanding Expenses:		
Staff Salary	6,503,587.00	5,863,643.00
Pension Payments	3,041,252.00	2,473,799.00
Vehicle Maintenance	3,570.00	3,570.00
Electrical Maintenance	5,657.00	5,657.00
Audit Fees Payable	69,740.00	95,100.00
Total (B)	9,623,806.00	8,441,769.00
Total (A+B)	310,344,919.43	190,124,638.00

SCHEDULE - 3 (a) SPONSORED PROJECTS

Amount in Rupees								
1. Sl. No.	2. Name of the Project	Opening Balance on 1.4.2016		5. Receipts/ Recoveries during the year	6. Total	7. Expenditure during the year	Closing Balance on 31.3.2017	
		3. Credit	4. Debit				8. Credit	9. Debit
1	IDDS	70,699.00		1,952,700.00	2,023,399.00	1,337,000.00	686,399.00	
2	CPSC			336,965.00	336,965.00	305,044.00	31,921.00	
3	NIWE PROGRAMME			135,000.00	135,000.00	22,002.00	112,998.00	
4	SWAYAM PROJECT			49,500,000.00	49,500,000.00		49,500,000.00	
	Total	70,699.00		51,924,665.00	51,995,364.00	1,664,046.00	50,331,318.00	-

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. Sl No	2. Name of Sponsor	Opening Balance As On 01.04.2016		Transactions During the year		Closing Balance As On 31.03.17	
		3	4	5	6	7	8
		Cr.	Dr.	Cr.	Dr.	Cr.	Dr.
1	University Grants Commission						
2	Ministry						
3	Others (Specify individually)						
	Total						

Note:

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

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

Amount in Rupees

	Current Year 2016-17	Previous Year 2015-16
A. Plan grants: Government of India		
Balance B/F		
Add: Receipts during the year		
Total (a)		
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital expenditure		
Total(b)		
Unutilized carried forward (a-b)		
B. UGC grants: Plan		
Balance B/F		
Receipts during the year		
Total (c)		
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
Total (d)		
Unutilized carried forward (c-d)		

C. UGC Grants Non Plan			
Balance B/F			
Receipts during the year			
Total (e)			
Less Refunds			
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
Total (f)			
Unutilized carried forward (e - f)			
D. Grants from State Govt.			
Balance B/F			
Receipts during the year			
Total (g)			
Less: Utilized for Revenue Expenditure			
Less: Utilized for capital expenditure			
Total (h)			
Unutilized carried forward (g - h)			
*Grand Total (A+B+C+D)			
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 2016-17				Net Block	
		Op Balance 01.04.2016	Additions	Deductions	Closing Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.17	31.03.16
1	Land :Free Hold	268500			268500					268500	268500
2	Site Development				0					0	
3	Buildings	65329098			65329098	11112474	1306582		12419056	64022516	65329098
4	Roads & Bridges				0					0	
5	Tubewells & Water Supply				0					0	
6	Sewerage & Drainage				0					0	
7	Electrical Installation and equipment	94648			94648	34150	4732		38882	89916	94648
8	Plant & Machinery	11413097			11413097	4065620	570655		4636275	10842442	11413097
9	Scientific & Laboratory Equipment				0					0	
10	Office Equipment	6591547	6293754		12885301	844450	966398		1810848	11918903	6591547
11	Audio Visual Equipment				0					0	
12	Computers & Peripherals	6273518	3995187		10268705	5536754	2053741		7590495	8214964	6273518
13	Furniture, Fixtures & Fittings	4446397	363655		4810052	1232012	360754		1592766	4449298	4446397
14	Vehicles	261812			261812	140248	26181		166429	235631	261812
15	Lib. Books & Scientific Journals	2187076			2187076	1056533	218708		1275241	1968368	2187076
16	Smart Classroom				0					0	
17	Small Value Assets	3179151	70978		3250129	689229	243760		932989	3006369	3179151
	Total (A)	100044844	10723574	0	110768418	24711470	5751511	0	30462981	105016907	100044844
18	Capital Work in Progress										
	Class Room Construction WIP	70642092	50561914		121204006				0	121204006	70642092
	Building Renovation WIP		2699679		2699679					2699679	
	Total (B)	70642092	53261593		123903685					123903685	70642092
S.No.	Intangible Assets	Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.17	31.03.16
19	Computer Software		3543781		3543781		1417512		1417512	2126269	
20	E-Journals	2976			2976				-	2976	2976
21	Patents										
	Total (C)	2976	3543781		3546757	0	1417512	0	1417512	2129245	2976
	Grand Total (A+B+C)	170689912	67528948	0	238218860	24711470	7169023	0	31880493	231049837	170689912

Note: The figure in Column "Deductions" under Gross Block against the head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year.
The figures in column "Additions during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.

SCHEDULE 4A PLAN

		Amount in Rupees									
Sl. No.	Assets Heads	Gross Block				Depreciation for the Year 2016-17				Net Block	
		Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.2017	31.03.2016
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation and equipment .										
8	Plant & Machinery										
9	Scientific & Laboratory Equipment				Nil						
10	Office Equipment										
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
Total (A)											
17	Capital Work in Progress (B)										
Intangible Assets		Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Amortization for the Year	Deductions/ Adjustments	Total Amortization/ Adjustments	31.03.17	31.03.16
18	Computer Software										
19	E-Journals				Nil						
20	Patents										
Total (C)											
Grand Total (A+B+C)											

Sl. No.	Assets Heads	Gross Block		Depreciation for the Year 2016-17				Net Block		
		Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciati on for the Year	Deductions / Adjustment	Total Depreciation	31.03.17
1	Land									31.03.16
2	Site Development									
3	Buildings									
4	Roads & Bridges									
5	Tubewells & Water Supply									
6	Sewerage & Drainage									
7	Electrical Installation & equipment									
8	Plant & Machinery									
9	Scientific & Laboratory Equipment									
10	Office Equipment				Nil					
11	Audio Visual Equipment									
12	Computers & Peripherals									
13	Furniture, Fixtures & Fittings									
14	Vehicles									
15	Lib. Books & Scientific Journals									
16	Small Value Assets									
Total (A)										
17	Capital Work in Progress (B)									
Sl. No.	Intangible Assets	Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Amortizati on for the Year	Deductions / Adjustments	Total Amortization/ Adjustments	31.03.17
18	Computer Software									31.03.16
19	E-Journals									
20	Patents				Nil					
Total (C)										
Grand Total (A+B+C)										

SCHEDULE 4 C- INTANGIBLE ASSETS

Sl. No.	Asset Heads	Gross Block				Depreciation Block				Amount in Rupees	
		Op. Balance 01.4.2016	Additions	Deductions	Cl. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03.17	31.03.16
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 2016-17	Net Block 2015-16
A. Patents Granted						
1 Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs..../-) 2			Nil			
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						
Total						

Particulars	Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2016-17	Net Block 2015-16
B. Patents Pending in respect of Patents applied for 1 Expenditure incurred during 2009-10 to 2011-12 2 Expenditure incurred during 2012-13 3 Expenditure incurred during 2013-14			Nil			
Total						
C. Grand Total (A+B)						

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

SCHEDULE 4D OTHERS

Sl. No.		Assets Heads	Gross Block				Depreciation for the Year 2016-17				Amount in Rupees		
			Op Balance 01.04.2016	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.17	31.03.16	
1	Land												
2	Site Development												
3	Buildings												
4	Roads & Bridges												
5	Tubewells & Water Supply												
6	Sewerage & Drainage					Nil							
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:													
17	Capital Work in Progress												
Grand Total													

Note: The additions during the Year include additions from:

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

SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

Amount in Rupees		
	Current Year 2016-17	Previous Year 2015-16
1 In Central Government Securities		
2 In State Government Securities		
3 Other approved Securities		
4 Shares		
5 Debentures and Bonds		
6 Term Deposits with Banks		
7 Others (to be specified)		
Total		

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

Amount in Rupees			
Sl. No.	Funds	Current Year (2016-17)	Previous Year (2015-16)
1	Endowment Fund Investments		
2			
3			
4			
5			
	Total		

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

SCHEDULE 6 - INVESTMENTS - OTHERS

Amount in Rupees		
	Current Year 2016-17	Previous Year 2015-16
1. In Central Government Securities		
2. In State Government Securities		
3. Other approved Securities		
4. Shares		
5. Debentures and Bonds		
6. Others (to be specified)		
TOTAL		

SCHEDULE 7 - CURRENT ASSETS

Amount in Rupees			Current Year 2016-17	Previous Year 2015-16
1. Stock:				
a) Stores and Spares				
b) Loose Tools				
c) Publications				
d) Laboratory chemicals, consumables and glass ware				
e) Building Material			6,376.00	6,376.00
f) Electrical Material			101,200.00	214,750.00
g) Stationery				
h) Water supply material				
i) Postage			12,658.00	28,296.00
2. Sundry Debtors:				
a) Debts Outstanding for a period exceeding six months				
b) Others :			33,240.00	
3. Closing Cash and Bank Balances :				
a) With Scheduled Banks:				
- In Current Accounts				
- In term deposit Accounts				
- In Savings Accounts				
In Cash Balance (Permanent Advance)			337,100.00	139,600.00
In Cash Balance (Temp Advance)			221,200.00	329,500.00
In Bank Balance			218,999,970.29	126,837,263.31
In Bank Balance Rajiv Gandhi National Fellowship			4,490.90	4,376.00
In Bank Balance Athletic			25,608.27	24,613.27
Fund Transfer				
AXIS Bank OTC Transfer			11,876,994.00	
CANARA Bank OTC Transfer			17,346,056.00	
b) With non-Scheduled Banks:				
- In term deposit Accounts				
- In Savings Accounts				
4. Post Office- Savings Accounts				
TOTAL			248,964,893.46	127,584,774.58

Note: Annexure A shows the details of Bank Accounts

ANNEXURE - A

Amount in Rupees

I. Savings Bank Accounts 1 Grants from UGC A/c 2 University Receipts A/c 3 Scholarship A/c 4. Academic Fee Receipt A/c 5. Development (Plan) A/c 6. Combined Entrance Exams(CBT) A/C 7. UGC Plan Fellowship A/c 8. Corpus Fund A/c (EMF) 9. Sponsored Projects Fund A/c 10. Sponsored Fellowship A/c 11. Endowment & Chair A/c (EMF) 12. UGC JRF Fellowship A/c (EMF) 13. HBA Fund A/c (EMF) 14. Conveyance A/c (EMF) 15. UGC Rajiv Gandhi National Fellowship A/C (EMF) 16. Academic Development Fund A/c (EMF) 17. Deposit A/c 18. Student Fund A/c 19. Student Aid Fund A/c 20. Plan Grants for specific schemes II. Current Account III. Term Deposits with Schedule Banks	
Total	

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

Amount in Rupees		
	Current Year 2016-17	Previous Year 2015-16
1. Advances to employees: (Non-interest bearing)		
a) Salary		
b) Festival	255,349.00	258,949.00
c) Medical Advance	374,502.00	
d) Other (to be specified)		
Computer Advance	371,800.00	564,800.00
Conveyance Advance	236,330.00	322,850.00
Flood Loan Advance	131,000.00	311,300.00
Persons with Disabilities	13,893.00	13,893.00
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan		
b) Home loan : House building advance	145,633.00	206,113.00
c) Others (to be specified) Other staff	9,237.00	9,237.00
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) On Capital Account		
b) to Suppliers		
c) AICTE UKIERI Work shop	-	299,722.00
d) Others :	92,242.00	92,242.00
4. Prepaid Expenses		
a) Insurance	46,607.00	46,607.00
b) E Journal Subscription	450,615.00	450,615.00
c) AMC Lab and Office Equipment	186,913.00	186,913.00

5. Deposits			
a) Telephone	93,308.00		93,308.00
b) Lease Rent			
c) Electricity			
d) AICTE, if applicable			
e) Others (to be specified)			
Community Hall Deposit	900.00		
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	20,000.00		20,000.00
Deposit with CPWD	81,574,243.00		89,569,099.00
Deposit with Indian Oil Corporation	10,700.00		9,000.00
Deposit with Post Office	100.00		100.00
Deposit with Fuel Firm	15,000.00		15,000.00
Deposit with Court	936,688.00		936,688.00
Deposit - Stationery	5,000.00		5,000.00
Deposit - ECV	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	2,403,732.00		
7. Other - Current assets receivable from UGC/sponsored projects			
a) Debit balances in Sponsored Projects :SWAYAM Project Expenses Recoverable	1,550,409.00		
b) Debit balances in Sponsored Fellowships & Scholarships			
AICTE Summer School			

AICTE Winter School			
Board of Apprentices Training		1,968.00	1,968.00
AICTE induction Training Programme			
c) Grants Receivable			
d) Other receivables from UGC			
8. Claims Receivable			
Consultancy Charges Receivable			
TOTAL		89,354,616.00	93,839,351.00

Note:

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

SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Rupees

	Current Year 2016-17	Previous Year 2015-16
FEES FROM STUDENTS		
Academic		
1. Tuition fee Ph D	470,500.00	390,000.00
Tuition fee M. Tech		201,600.00
2. Admission fee Ph D	6,000.00	2,000.00
Admission fee M.Tech		
3. Enrolment fee/Course Fees	60,000.00	165,800.00
4. Library Admission fee		
5. Laboratory fee		
6. Art& Craft fee		
7. Registration fee		
8. Syllabus fee		
Total (A)	536,500.00	759,400.00
Examinations		
1. Admission test fee		
2. Annual Examination fee		
3. Mark sheet, certificate fee		
4. Entrance examination fee		
Total (B)	.	.

Other Fees			
1. Identity card fee			
2. Fine/ Miscellaneous fees			
3. Medical fee			
4. Transportation fee			
5. Hostel fee			
Total (C)			
Sale of Publications			
1. Sale of Admission/Application forms	5,500.00		6,700.00
2. Sale of syllabus and Question Paper, etc.			
3. Sale of prospectus including admission forms			
Total (D)			
Other Academic Receipts			
1. Registration fee for workshops, programmes			
2. Registration fees (Academic Staff College)			
3. IDDI Receipts	202,900.00		44,901.00
Total (E)	208,400.00		51,601.00
GRAND TOTAL (A+B+C+D+E)	744,900.00		811,001.00

Note:

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

SCHEDULE 10 - GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Amount in Rupees

Particulars	PLAN GOI			Total Plan	NON PLAN GOI			Total Non Plan	Current Year Total 2016-17	Previous Year Total 2015-16
	UGC	Plan Capital	Plan General		UGC	Non Plan Salary	Non Plan General			
Balance B/F		123,679,272.00	1,455,770.00	125,135,042.00		34,095,304.00	115,000.00	34,210,304.00	159,345,346.00	70,425,604.00
Add: Receipts during the year		82,500,000.00	35,000,000.00	117,500,000.00		103,500,000.00	41,600,000.00	145,100,000.00	262,600,000.00	228,332,000.00
Total		206,179,272.00	36,455,770.00	242,635,042.00		137,595,304.00	41,715,000.00	179,310,304.00	421,945,346.00	298,757,604.00
Less: Refund to UGC										
Balance		206,179,272.00	36,455,770.00	242,635,042.00		137,595,304.00	41,715,000.00	179,310,304.00	421,945,346.00	298,757,604.00
Less: Utilised for Capital expenditure (A)		67,528,948.00		67,528,948.00				-	67,528,948.00	8,485,097.00
Balance		138,650,324.00	36,455,770.00	175,106,094.00		137,595,304.00	41,715,000.00	179,310,304.00	354,416,398.00	290,272,507.00
Less: utilized for Revenue Expenditure (B)			22,323,585.57	22,323,585.57		83,268,271.00	53,372,425.00	136,640,696.00	158,964,281.57	130,927,161.00
Balance C/F (C)		138,650,324.00	14,132,184.43	152,782,508.43		54,327,033.00	(11,657,425.00)	42,669,608.00	195,452,116.43	159,345,346.00

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

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

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

SCHEDULE 11 - INCOME FROM INVESTMENTS

Particulars	Amount in Rupees			
	Earmarked / Endowment Funds		Other Investments	
	Current Year 2016-17	Previous Year 2015-16	Current Year 2016-17	Previous Year 2015-16
1. Interest				
a. On Government Securities				
b. Other Bonds/Debentures				
2. Interest on Term Deposits/SFD			2,858,668.00	1,038,479.00
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees			2,403,732.00	
4. Interest on Savings Bank Accounts				
5. Others:				
Total			5,262,400.00	1,038,479.00
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 2016-17	Previous Year 2015-16
1. On Savings Accounts with scheduled banks	1,172.00	2,213.27
2 On Loans		
a. Employees/Staff		
b. Others : i) Interest on Conveyance Advance	16,550.00	45,457.00
ii) Interest on Computer Advance	24,281.00	8,798.00
3. On Debtors and Other Receivables		
Total	42,003.00	56,468.27

Note:

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

SCHEDULE 13- OTHER INCOME

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

Amount in Rupees		
A. Income from Land & Buildings	Current Year 2016-17	Previous Year 2015-16
1. Hostel Room Rent	101,060.00	559,953.00
2. License fee	139,495.00	162,684.50
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4. Electricity charges recovered		
5. Water charges recovered		
6. Tender Fees		15,275.00
7. Staff Quarters Rent	1,082,288.00	1,054,722.50
8. Guest House Room Rent	5,237,185.00	1,692,492.00
9. Rent for Institute Premises		188,680.00
10. Community Hall Rent	5,320.00	600.00
Total	6,565,348.00	3,674,407.00
B. Sale of institute's publications		
1. Sale of Books and CD's	9,300.00	51,405.00
C. Income from holding events		
1. Gross Receipts from annual function/ sports carnival		
Less: Direct expenditure incurred on the annual function/ sports carnival		
2. Gross Receipts from fetes		
Less: Direct expenditure incurred on the fetes		
3. Gross Receipts for educational tours		
Less: Direct expenditure incurred on the tours		
4. Others		
Institute Overhead Project		
OTC Income		
IDS		
Misc Revenue Receipts	835,712.75	200,738.00
Total	7,410,360.75	3,926,550.00

D. Others	Current Year 2016-17	Previous Year 2015-16
1. Income from consultancy		
2. RTI fees	50.00	230.00
3. Income from Royalty	281,661.09	107,662.39
4. Sale of application form (recruitment)		
5. Misc. receipts (Sale of tender form, waste paper, etc.)		
6. Profit on Sale/disposal of Assets		
a) Owned assets	185,000.00	
b) Assets received free of cost		
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations		
8. Others (specify)		
STD		8,608.00
AICTE UKIERI Workshop	257,886.00	
6th PCP Pay Recovery Salary		
Total	724,597.09	116,500.39
Grand Total (A+B+C+D)	8,134,957.84	4,043,050.39

SCHEDULE 14 - PRIOR PERIOD INCOME

Particulars	Amount in Rupees	
	Current Year 2016-17	Previous Year 2015-16
1. Academic Receipts		
2. Income from Investments		
3. Interest earned		
4. Other Income		
Total	-	-

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

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

	Amount in Rupees					
	Current Year 2016-17			Previous Year 2015-16		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Salaries and Wages	-	83,268,271.00	83,268,271.00		70,795,667.00	70,795,667.00
b) Allowances and Bonus(Adhoc Bonus)		606,405.00	606,405.00		206,088.00	206,088.00
c) Contribution to Provident Fund			-			-
d) Contribution to Other Fund (specify)			-			-
e) Staff Welfare Expenses			-			-
f) Retirement and Terminal Benefits			-			-
g) LTC facility		413,267.00	413,267.00		238,062.00	238,062.00
h) Medical facility/Reimbursement		2,348,809.00	2,348,809.00		1,933,507.00	1,933,507.00
i) Children Education Allowance		553,799.00	553,799.00		891,197.00	891,197.00
j) Others			-			-
1) Others: Professional Development Allowance		484,085.00	484,085.00		448,568.00	448,568.00
TOTAL		87,674,636.00	87,674,636.00		74,513,089.00	74,513,089.00

SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFITS

Amount in Rupees				
	Opening Balance as on 1.4.2016	Pension	Gratuity	Leave Encashment
	Addition: Capitalized value of Contributions Received from other Organizations			
	Total (a)			Total
	Less: Actual Payment during the Year (b)	37,549,437.00	4,017,660.00	5,462,260.00
	Balance Available on 31.03 c (a-b)			47,029,357.00
	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	1,492,914.00		1,492,914.00
	C. Medical Reimbursement to Retired Employees			-
	D. Travel to Hometown on Retirement			-
	E. Deposit Linked Insurance Payment			-
	F. Commutation of Pension	3,749,305.00		3,749,305.00
		42,791,656.00	4,017,660.00	5,462,260.00
	Total (A+B+C+D+E)			52,271,576.00

Note:

1. The total (A+B+6+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 2016-17			Previous Year 2015-16		
	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						
1) Others (specify)						
TOTAL		-	-		-	-

SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

		Current Year 2016-17			Previous Year 2015-16		
		Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure				-			-
a) Electricity and power			3,847,507.00	3,847,507.00		4,143,236.00	4,143,236.00
b) Water charges			829,244.00	829,244.00		1,032,369.00	1,032,369.00
c) Insurance				-			-
d) Rent, Rates and Taxes (including property tax)				-			-
Property Tax				-			-
Service Tax				-			-
Water Tax			27,010.00	27,010.00		27,173.00	27,173.00
B Communication				-			-
e) Postage and Stationery			89,924.00	89,924.00		105,129.00	105,129.00
f) Telephone, Fax and Internet Charges			426,459.00	426,459.00		332,191.00	332,191.00
C Others				-			-
g) Printing and Stationery (consumption)				-			-
h) Travelling and Conveyance Expenses			8,707.00	8,707.00		29,499.00	29,499.00
i) Hospitality				-			-
j) Auditors Remuneration			69,740.00	69,740.00		95,100.00	95,100.00
k) Professional Charges : Legal Charges			219,000.00	219,000.00		381,500.00	381,500.00
l) Advertisement and Publicity			68,334.00	68,334.00		293,457.00	293,457.00
m) Magazines & Journals				-			-
n) Others :				-			-
Contingencies			1,542,488.39	1,542,488.39		1,042,564.41	1,042,564.41
Security Charges			4,643,835.00	4,643,835.00		3,757,050.00	3,757,050.00
Misc Expenditure				-		2,851.00	2,851.00
UNIFORM			15,805.00	15,805.00			
TOTAL			11,788,053.39	11,788,053.39		11,242,119.41	11,242,119.41

SCHEDULE 18- TRANSPORTATION EXPENSES

Particulars	Amount in Rupees					
	Current Year 2016-17			Previous Year 2015-16		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)			-			-
a) Running expenses			-			-
b) Repairs & maintenance		268,804.00	268,804.00		196,842.00	196,842.00
c) Insurance expenses			-			-
2 Vehicles taken on rent/lease			-			-
a) Rent/lease expenses			-			-
3 Vehicle (Taxi) hiring expenses			-			-
Total		268,804.00	268,804.00		196,842.00	196,842.00

SCHEDULE 19 - REPAIRS & MAINTENANCE

Particulars	Current Year 2016-17				Previous Year 2015-16		
	Plan	Non Plan	Total	Total	Plan	Non Plan	Total
a) Buildings			-	-			-
b) Furniture & Fixtures			-	-			-
c) Plant & Machinery			-	-			-
d) Office Equipment : A C		305,720.00	305,720.00				-
e) Computers			-	-			-
f) Laboratory & Scientific equipment			-	-			-
g) Audio Visual equipment			-	-			-
h) Cleaning Material & Services			-	-			-
i) Book binding charges			-	-			-
j) Gardening			-	-			-
k) Estate Maintenance			-	-			-
l) Others : Guest House Expenditure		338,980.00	338,980.00			222,707.00	222,707.00
m) Electrical Maintenance		1,252,371.00	1,252,371.00			878,312.00	878,312.00
n) Hostel Expenditure		249,714.00	249,714.00			287,682.00	287,682.00
TOTAL		2,146,785.00	2,146,785.00			1,388,701.00	1,388,701.00

SCHEDULE 20 - FINANCE COSTS

Particulars	Amount in Rupees					
	Current Year 2016-17			Previous Year 2015-16		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Bank charges						
b) Others: Interest on Service Tax			-			-
Total					-	-

Note:-

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

SCHEDULE 21 - OTHER EXPENSES

Particulars	Amount in Rupees					
	Current Year 2016-17			Previous Year 2015-16		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Provision for Bad and Doubtful Debts/Advances						
b) Irrecoverable Balances Written - off						
c) Grants/Subsidies to other institutions/organizations						
d) Others (specify)						
Total	-	-	-	-	-	-

Note:-

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

SCHEDULE 22: PRIOR PERIOD EXPENSES

Particulars	Amount in Rupees					
	Current Year 16-17			Previous Year 15-16		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Establishment expenses						
2 Academic expenses						
3 Administrative expenses						
4 Transportation expenses						
5 Repairs & Maintenance						
6 Other expenses						
Total	-	-	-	-	-	-

SCHEDULE 23: PLAN GENERAL EXPENSES

	Particulars	CY 2016-17	PY 2015-16
	Plan General Expenditure:		
	Staff Development Programme	10607567.28	11845457.00
	Stipend to Apprenticeship Trainees	626711.00	177305.00
	Stipend to Long Term Trainees		
	Building Maintenance (Plan)	5678615.00	3498043.00
	Development Expenses	1890436.00	1285975.00
	Development Expenses (Hindi Sahalkar)		
	GSI Mapping Tools		
	Membership Fees for Teaching Faculty		
	Furniture Maintenance	7725.00	11200.00
	Periodicals	969382.00	113579.00
	Printing & Stationery	391026.29	392242.00
	Maintenance of Lab / Office Equipments	1035985.00	1378145.00
	Research Fellowship		
	Community Polytechnics		
	Contingent Grant to Trainees		
	TA & DA National Conferences		
	Remuneration to Guest Lecturers	966800.00	964500.00
	Review Committee Meeting		
	Consumables for Lab		
	National Seminar		
	National Symposium		
	WIDDS		
	Course Fees Receivable		
	VNITTTR Edusat		
	Web Charges	149338.00	258610.00
	IDDS		
	Inter Sports Meet		170063.00
	Workshop on NMEICT		
	TOTAL	22323585.57	20095119.00

NATIONAL INSTITUTE OF TECHINICAL 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, 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 will be done actuarial valuation from the year 2017-18.
6. The value of land is not known as the State Government has not assigned the land to the Institute.

NATIONAL INSTITUTE OF TECHINICAL 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)(iiiab) of IT Act 1961 is quoted below:

“Any University or other educational institution solely for educational purposes and not for purposes of profit and which is wholly or substantially financed by the Government is exempted from Income Tax”.
3. Corresponding figures for the previous year have been regrouped / rearranged whenever necessary.
4. Schedules 1 to 25 are annexed to and form as Integral part of the Balance Sheet as at 31.03.2017 and Income and Expenditure.
5. NPS amount with interest has been uploaded and remitted in NSDL account.
6. Financial statements are prepared on cash basis.
7. The interest on deposits are accounted on cash basis.

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

FORM GFR 19A
(See Rule 212(1) of GFR 2005)

**UTILISATION CERTIFICATE
FOR 2016-17 – NON-PLAN (SALARY)**

FINAL

Sl. No	Lr.No. and Date	Amount (Rs.)	Certified that out of Rs.10,35,00,000/-of Grant-in-aid sanctioned during the year 2016-17 in favour of Director, NITTTR, Chennai under this Ministry /Department Letter No. given in the margin and Rs.3,38,89,216/- on account of unspent balance of the previous year, a sum of Rs.8,42,15,501/- has been utilized for the purpose of meeting the Non- Plan (Salary) expenditure for which it was sanctioned and that the balance of Rs.5,31,73,715/- remaining unutilized Non-Plan (Salary) Grant will be adjusted towards the Grant-in-aid payable during the next year 2017-18.
1	Lr.No.6-5/2016 TS.IV dt.28.06.2016	5,50,00,000	
2	Lr.No 6-5/2016TS.IV dt.26.10.2016	2,26,25,000	
3	Lr.No.6-5/2016TS.IV dt. 22.02.2017	1,29,37,500	
4	Lr.No.6-5/2016TS.IV dt. 02.03.2017	1,29,37,500	
	Total	10,35,00,000	

Certified that I have satisfied myself that the conditions on which the Grant-in-aid as sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. Monthly Expenditure
2. Quarterly Expenditure
3. Bank Reconciliation

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

FORM GFR 19A
(See Rule 212(1) of GFR 2005)

**UTILISATION CERTIFICATE
FOR 2016-17 – NON-PLAN (GENERAL)**

FINAL

Sl. No	Lr.No. and Date	Amount (Rs.)	Certified that out of Rs.4,16,00,000/- of Grant in-aid sanctioned during the year 2016-17 in favour of Director, NITTTR, Chennai under this Ministry /Department Letter No. given in the margin and Rs.3,21,088/- on account of unspent balance of the previous year, a sum of Rs.5,37,15,232/- has been utilized for the purpose of meeting the Non- Plan (General) expenditure for which it was sanctioned leaving a negative balance of Rs.1,17,94,144/-.
1	Lr.No.6-5/2016 TS.IV dt. 28.06.2016	2,20,00,000	
2	Lr.No. 6-5/2016 TS.IV dt.26.10.2016	1,00,00,000	
3	Lr.No.6-5/2016 TS.IV dt. 22.02.2017	48,00,000	
4	Lr.No.6-5/2016 TS.IV dt. 02.03.2017	48,00,000	
	Total	4,16,00,000	

Certified that I have satisfied myself that the conditions on which the Grant-in-aid as sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. Monthly Expenditure
2. Quarterly Expenditure
3. Bank Reconciliation

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

FORM GFR 19A
(See Rule 212(1) of GFR 2005)

**UTILISATION CERTIFICATE
FOR 2016-17 – PLAN (GENERAL)
(RECURRING)**

FINAL

Sl. No	Lr.No. and Date	Amount (Rs.)	Certified that out of Rs.3,50,00,000/- of Grant-in-aid sanctioned during the year 2016-17 in favour of Director, NITTTR, Chennai under this Ministry/ Department Letter No. given in the margin and Rs.14,55,770/- on account of unspent balance of the previous year, a sum of Rs.2,00,54,438/- has been utilized for the purpose of meeting the Plan (General) expenditure for which it was sanctioned and that the balance of Rs.1,64,01,332/- remaining unutilized Plan (General) Grant will be adjusted towards the Grant-in-aid payable during the next year 2017-18.
1	Lr.No. 6-6/2016 TS.IV dt.28.06.2016 (General) Rs.1,35,62,000 (SC) Rs. 26,25,000 (ST) Rs. 13,13,000	1,75,00,000	
2	Lr.No. 6-6/2016 TS.IV dt.03.11.2016 (General) Rs.22,73,000 (SC) Rs. 4,40,000 (ST) Rs. 2,20,000	29,33,000	
3	Lr.No. 6-6/2016 TS.IV dt.17.11.2016 (General) Rs.22,74,000 (SC) Rs. 4,40,000 (ST) Rs. 2,20,000	29,34,000	
4	Lr.No. 6-6/2016 TS.IV dt. 09.12.2016 (General) Rs.22,73,000 (SC) Rs. 4,40,000 (ST) Rs. 2,20,000	29,33,000	
5	Lr.No. 6-6/2016 TS.IV dt. 08.03.2017 (General) Rs.67,18,000 (SC) Rs.12,55,000 (ST) Rs.7,27,000	87,00,000	
	Total	3,50,00,000	

Certified that I have satisfied myself that the conditions on which the Grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. Monthly Expenditure
2. Quarterly Expenditure
3. Bank Reconciliation

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

FORM GFR 19A
(See Rule 212(1) of GFR 2005)

**UTILISATION CERTIFICATE
FOR 2016-17 – PLAN CAPITAL ASSETS
(NON-RECURRING)**

FINAL

Sl. No	Lr.No. and Date	Amount (Rs.)	Certified that out of Rs.8,25,00,000/- of Grant-in-aid sanctioned during the year 2016-17 in favour of Director, NITTTR, Chennai under this Ministry/ Department Letter No. given in the margin and Rs.4,66,79,272/- on account of unspent balance of the previous year, and a sum of Rs.5,49,13,511/- has been utilized for the purpose of meeting the Plan (Capital Assets) expenditure for which it was sanctioned and that the balance of Rs.7,42,65,761/- remaining unutilized Plan Grant (Capital Assets) will be adjusted towards the Grant-in-aid payable during the next year 2017-18.
1	Lr.No.6-6/2016 TS.IV dt.03.11.2016 (General) Rs.1,55,00,000 (SC) Rs. 30,00,000 (ST) Rs. 15,00,000	2,00,00,000	
2	Lr.No.6-6/2016 TS.IV dt.17.11.2016 (General) Rs.1,55,00,000 (SC) Rs. 30,00,000 (ST) Rs. 15,00,000	2,00,00,000	
3	Lr.No.6-6/2016 TS.IV dt.09.12.2016 (General) Rs.1,55,00,000 (SC) Rs. 30,00,000 (ST) Rs. 15,00,000	2,00,00,000	
4	Lr.No.6-6/2016 TS.IV dt.08.03.2017 (General) Rs.1,55,00,000 (SC) Rs. 30,00,000 (ST) Rs. 15,00,000	2,00,00,000	
5	Lr.No.6-6/2016 TS.IV dt.24.03.2017 (General) Rs.3,75,00,000 (SC) Rs.19,37,500 (ST) Rs. 1,87,500	25,00,000	
	Total	8,25,00,000	

Certified that I have satisfied myself that the conditions on which the Grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. Monthly Expenditure
2. Quarterly Expenditure
3. Bank Reconciliation

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

RECEIPTS AND PAYMENTS ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2016-17

RECEIPTS		Current Year 2016-17	Previous Year 2015-16	PAYMENTS	Current Year 2016-17	Previous Year 2015-16
I. Opening Balances				I. Expenses		
a) Cash Balances		469,100.00	833,353.00	a) Establishment Expenses	101,030,720.00	108,055,505.00
b) Bank Balance				b) Academic Expenses		
i) In Current Amounts				c) Administrative Expenses	6,981,004.39	13,037,269.41
ii) In Deposit Accounts				d) Transportation Expenses	160,620.00	
iii) Savings Accounts		126,866,252.58	23,379,771.33	e) Repairs & Maintenance	1,727,515.00	
				f) Prior period expenses		
II. Grants Received				II. Payments against Earmarked/Endowment Funds		
a) From Government of India						
b) From State Government						
for Revenue Expenditure		180,100,000.00	144,885,000.00			
for Capital Expenditure		82,500,000.00	83,447,000.00			
c) From other sources - Grants Receivable 2015-16		-	50,867,000.00			
(Grants for capital & revenue exp/ to be shown separately, if available)						
III. Academic Receipts		542,000.00	811,001.00	III. Payments against Sponsored Projects/Schemes	2,235,771.00	214,601.00
IV. Receipts against Earmarked/Endowment Funds				IV. Payments against Sponsored Fellowships/Scholarships		
V. Receipts against Sponsored Projects/ Schemes				– IDDS Payments		
a) IDDS		1,860,000.00	450,000.00	V. Investments and Deposits made		
b) CPSC		336,965.00		a) Out of Earmarked/Endowments funds		
c) AICTE UKIERI WORKSHIP		557,608.00		b) Out of own funds (Investments - Others)		
d) NIWE PROGRAMME		135,000.00				
e) SWAYAM		49,500,000.00				
VI. Receipts against sponsored Fellowships/ Scholarship				VI. Term Deposits with Scheduled Banks		
VII. Income on Investments from						
a) Earmarked/Endowment funds				VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
b) Other investments SDR Interest				a) Fixed Assets	14,267,355.00	8,485,097.00
		2,858,668.00	1,038,479.00	VIII. Plan General Expenditure	16,926,284.57	20,370,519.00

Amount in Rupees

VIII. Interest received on				VIII. Other Payments including statutory payments		
a) Bank Deposits				Outstanding Expenses, TDS & Service Tax etc.,	6,325,653.00	5,524,526.00
b) Loans and Advances				IDDs Corpus fund Contribution	376,000.00	
c) Savings Bank Accounts		1,172.00	56,468.27			
IX. Investments encashed				IX. Refunds of Grants		
X. Term Deposits with Scheduled Banks encashed				X. Deposits and Advances	567,282.00	564,073.00
				Deposits with CPWD	45,266,737.00	34,000,000.00
				Deposits Refund	402,570.00	
XI. Other income (including Prior Period Income)				XI. Other Payments/Liabilities		
i) Duties and Taxes TDS, Service Tax etc	863,568.00	445,648.00		i) Sundry Creditors	29,683,937.00	
ii) sale of Old vehicle	185,000.00			ii) Duties and Taxes	12,543,118.00	
XII. Deposits and Advances		1,562,585.00		iii) Others: OTC Payments	29,464,550.00	
i) Other Liabilities	32,900,797.00	5,656,887.00		XII. Closing balances		
ii) Other Deposits	371,990.00			a) Cash in hand	558,300.00	469,100.00
				b) Bank balances		
				In Current Accounts		
				In Savings Accounts	219,030,069.46	126,866,252.58
				In Deposit Accounts		
XIII. Misc Receipts including Statutory Receipts	126,932.00					
XIV. Any Other Receipts	7,372,433.84	4,153,750.39				
TOTAL	487,547,486.42	317,586,942.99	TOTAL		487,547,486.42	317,586,942.99

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

GPF ACCOUNT

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, TARAMANI, CHENNAI - 600113

PROVIDENT FUND ACCOUNT

BALANCE SHEET AS AT MARCH 31, 2017

	Liabilities	2016-17	Assets	Amount in Rupees 2016-17
	GPF		Investment Int. accrued as on 31/03/17	
	Opening Balance	35,523,943.76	Subscription Due for March 2016:	2,018,681.00
	Less: Subscriptions for March 2016		GPF	
	Add: Subscriptions in the year	8,011,151.00	CPF UC due to CPF	6,816.00
	Add: Sub for March 2017		NPS-II	
	Add: Interest Credited	2,102,805.00	Temporary Advance	
	Less: Advance/withdrawal/Part Final		Tax recovered from interest on Investments Pending refund from	4,165,810.30
	Closing Balance <u>GPF</u>		Income Tax Department	
	Unclaimed Balance		Cash at Bank	471,700.41
	Employers Contribution		Fixed Deposit	37,149,110.00
	Opening Balance			
	Less: Sub. for March 2016			
	Add: Subscriptions in the year			
	Add: Sub for March 2017			
	Add: Interest Credited			
	Less: Advance/withdrawal/Part Final			
	NPS Contra	1,469,721.00		
	Closing Balance			

	<u>University Contribution (CPF)</u> Opening Balance Less: Contribution for March 2016 Add: Subscriptions in the year Add: Contribution for March 2017 Add: Interest Credited Less: Advance/withdrawal Closing Balance <u>NFS Tier-II Account</u> Opening Balance Less: Sub. for March 2016 Add: Subscriptions in the year Add: Sub for March 2017 Add: Interest Credited Less: Advance/withdrawal Closing Balance <u>Interest Reserve</u> Opening Balance Less: Excess of Expenditure over Income Closing Balance Total	5,636,604.50 925,975.00	6,562,579.50		43,812,117.71
					43,812,117.71

PROVIDENT FUND ACCOUNT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2017

		Amount in Rupees	
Income	Amount	Expenditure	Amount
Interest earned on Investment SB Interest Add; Interest accrued on 03/17 Add: Tax recovered on interest - Refund to be obtained Less Interest accrued for March 16 Excess of Expenditure over Income	925,642.00 238,350.00 2,018,681.00	Interest Credited to: GPF Account CPF Account University Contribution (CPF) NPSTier-II Account Interest on subscription Excess of Income over Expenditure	2,102,805.00 153,893.00 925,975.00
Total	3,182,673.00	Total	3,182,673.00

PROVIDENT FUND ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2016-17

Receipts	Amount	Payments	Amount in Rupees
Opening Balance IOB		GPF Adv./Withdrawal/Part Final	9,640,677.00
FIXED DEPOSIT:		Interest on Subscription	153,893.00
IOB SPECIAL DEPOSIT	2804732.00		
SBI SPECIAL DEPOSIT	2620393.00		
IOB FIXED DEPOSIT	22523985.00		
IOB PF	10291127.41		
SBI, Branch- 1			
SBI, Branch -II			
Bank			
GPF Subscription		Investment during the year	
CPF Subscription		Closing Balance:-	
CPF University Contribution		SBI, Branch- 1	
NPSTier-II Account		FD	37,149,110.00
PF FD INTEREST		IOB	471,700.41
SPECIAL DEPOSIT INTEREST			
SB NORMAL INTEREST			
Total	47,415,380.41	Total	47,415,380.41

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

NPS ACCOUNT

NPS TIER-I ACCOUNT

BALANCE SHEET AS AT MARCH 31, 2017

		Amount in Rupees	
Liabilities	Amount	Assets	Amount
NPS Tier-I Account		NPS Tier -I Account	
Opening Balance	1,517,175.00	Subscription and Contribution due for 3/2017	
Less: NSDL Remit	2,799,264.00		
	(1,282,089.00)		
Add: Sub + U Contribution	2,799,264.00	GPF Contra Balance at Bank	1,469,721.00
Add: Interest Credited	1,517,175.00		51,834.00
Less: Transferred to NSDL			
Add: Sub+UC for 3/2017			
Excess of Income over Expenditure	4,380.00		
Balance as on 01.04.2016			
Add: During the year			
Total	1,521,555.00	Total	1,521,555.00

NPS TIER-I ACCOUNT

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2017

		Amount in Rupees	
Income	Amount	Expenditure	Amount
Normal Interest	4,380.00		
		Excess of Income over Expenditure	4,380.00
Total	4,380.00	Total	4,380.00

NPS TIER- I ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2016-17

		Amount in Rupees	
Receipts	Amount	Payments	Amount
Opening Balance as on 1/04/2016	47,454.00	Investment	
NPS Tier-I Account		Withdrawal / Refund to NSDL	2,799,264.00
Own Subscription	1,399,632.00		
University Contribution	1,399,632.00		
Interest on Saving Bank A/C	4,380.00	Closing Balance	51,834.00
TOTAL	2,851,098.00	TOTAL	2,851,098.00

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

**OVERSEAS TRAINING COURSE
ACCOUNT**

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

Overseas Training Course (OTC)
Balance Sheet as at 31.03.2017

LIABILITIES	Amount in Rupees				
	Current Year 2016-17	Previous Year 2015-16	ASSETS	Current Year 2016-17	Previous Year 2015-16
CAPITAL FUND:					
Add: Excess	62997320.00	52102457.00	DEPOSITS:		
	15350581.00	10894863.00	SDR	63200000.00	
Duties and Taxes	78347901.00		LOANS & ADVANCES		
	523.00	1,477.00	Temporary Advances	2884360.00	
			Accrued Interest	2356254.00	
			NITTTR Contribution	2919985.00	2919985.00
			Closing Balance		
			Cash in Hand	1382841.00	23498123
			Canara Bank	5604984.00	36580689.00
			Axis Bank		
TOTAL	78348424.00	62998797.00	TOTAL	78348424.00	62998797.00

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

Overseas Training Course (OTC)
Income & Expenditure Account for the year ended 31.03.2017

INCOME		2016-17	2015-16	EXPENDITURE	2016-17	2015-16
Project Receipts	29223050.00		23484573.00	Books & Periodicals		
Interest Bank	1056101.00		843562.00	OTC Expenses	4897133.00	5549713.00
Misc Receipts	50000.00			CDIMD - XXIX Batch		
Accured Interest	2,356,254.00			CDIMD - XXXII Batch		
				Sundry Creditors		
				DTEMDG		
				LIVING allowance	4651941.00	5233819.00
				GISARP		
				ICT-III		
				MLP OTC		
				MLPM-VI		
				Guest House Expenses	7785750.00	1554000.00
				Room Rent		
				OTC WETE Course		
				Bank charges		275.00
				Project Allowance		359162.00
				SDEM Batch		
				Book allowance		736303.00
				Travelling & Conveyance		
				WETTVE		
				WQA-1 Batch		
				Excess of Income over Expenditure	15350581.00	10894863.00
Total		32685405.00	24328135.00	Total	32685405.00	24328135.00

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

Overseas Training Course (OTC)
Receipts & Payments Account for the Financial Year 2016-17

		Amount in Rupees			
RECEIPTS	2016-17	2015-16	PAYMENTS	2016-17	2015-16
OPENING BALANCE: AXIS BANK CANARA BANK Cash	36580689.00 23498123.00 0.00	48357581.00 825650.00	Duties & Taxes Sundry Creditors Temporary Advance OTC Expenses Travelling & Conveyance Book Allowance Project Allowance ICT III	5835.00 483149.00 2884360.00 4409103.00	6400.00
Duties & Taxes			CDIMD XXXII		5549713.00
OTC Project Receipts	29223050.00	23484573.00	Room Rent		736303.00
SB Interest AXIS	223319.00	429692.00	Guest House Expenses	7785750.00	359162.00
SB Interest Canara Bank	562662.00		Living Allowance	4651941.00	1554000.00
SDR Interest AXIS	270120.00	413870.00	Bank Charges		5233819.00
Misc Receipts	50000.00	7118.00			275.00
Sundry Creditors					
			CLOSING BALANCE		
			AXIS BANK	28804984.00	36580689.00
			CANARA BANK	41382841.00	23498123.00
			Cash		0.00
Total	90407963.00	73518484.00	Total	90407963.00	73518484.00

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PROJECT ACCOUNT

PROJECT ACCOUNT

Balance Sheet as at 31.03.2017

LIABILITIES	2016-17		ASSETS	Amount in Rupees	
	2016-17	2016-17		2016-17	2016-17
Project Fund: Opening	415612.00				
Less: Excess of Expenditure over Income	2251353.00	-1835741.00			
PROJECT WIP					
FY 2009-10	999032.00		40/CEM/RAY/TVL/SMOH/2011-12	566792.00	
FY 2010-11	2411197.00		41/CEM/RAY/TRY/SMOH/2011-12	891147.00	1457939.00
FY 2011-12	4825819.00				
FY 2012-13	304711.00				
FY 2013-14	395006.00				
FY 2014-15	713358.00	9649123.00			
Duties and Taxes		4231.00			
			CLOSING BALANCE:		
			Cash in Hand		39000.00
			Cash at Bank		6320674.00
		7817613.00			7817613.00

PROJECT ACCOUNT
Income & Expenditure Account for the year ended 31.03.2017

		Amount in Rupees	
	INCOME	2016-17	EXPENDITURE
	Project Income		Project Expenses
	SDR Interest		
	Excess of expenditure over income	2251353.00	
	Total	2251353.00	Total
			2251353.00

PROJECT ACCOUNT
Receipts & Payments Account for the Financial Year 2016-17

	RECEIPTS	2016-17	PAYMENTS	2016-17	Amount in Rupees
	OPENING BALANCE:				
	Cash at Bank	8572027.00			
	Cash in Hand	39000.00			
	Project Income		Project Expenses		2251353.00
	SDR Interest				
			CLOSING BALANCE:		
			Cash in Hand		39000.00
			Cash at Bank		6320674.00
	Total		Total	8611027.00	8611027.00

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CORPUS FUND ACCOUNT

CORPUS FUND ACCOUNT

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CORPUS FUND ACCOUNT
Receipts & Payments Account for the Financial Year 2016-17

	RECEIPTS		2016-17	PAYMENTS	2016-17	Amount in Rupees
	OPENING BALANCE:					
	Cash at Bank		1771571.00			
	IDDS Corpus fund 10%	159200.00	364000.00			
	IDDS Corpus fund 20%	204800.00	76993.00			
	Normal Interest		81253.00			
	Indonesian Visit					
				CLOSING BALANCE:		
				Cash at Bank		2293817.00
	Total		2293817.00	Total		2293817.00