

ANNUAL REPORT

2014-15

(ENGLISH VERSION)



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

CHENNAI – 600 113

FROM THE DIRECTOR

National Institute of Technical Teachers Training and Research, Chennai –NITTTTR, Chennai is glad to present the treatise on 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 2014-15. This report reflects the accomplishments made in the areas of technical teacher training (Polytechnics and Engineering colleges), research, curriculum development, overseas training programmes along with other various training programs and activities by the dedicated work 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 always strive 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 faculty members have the same reliable 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.

The year 2014-15 represented another period of expansion and development. During this year the following were achieved:

- Training of 2555 technical teachers and professional*
- Training of 122 teachers, policy makers and educational administrators from 42 countries through 8 Overseas Trainees Courses*
- Doctoral and Master's Programmes with 44 candidates*
- Curricula of 35 programmes consisting of 250 courses were revised for the polytechnics of Karnataka state.*
- Development of 46 instructional resources (print type materials and videos)*
- Carrying out seven Research & Development Projects worth of Rs. One crore*

Although we serve thousands of individuals, perhaps the most gratifying part of our work at NITTTTR is when we hear directly from individual faculty members who have undergone training in our institute. They participate in discussions and send email to our faculty members. We set out with a commitment and broad vision for our future programmes through their valuable support.

The Institute has received incessant motivation and direction from Dr. Allam Appa Rao, Chairman, BoG, and other eminent members of the BoG, as well as the Secretary, Additional Secretary, Director, Deputy Educational Advisor and other officials from Ministry of Human Resource Development, Govt. of India. I see this opportunity to express our gratefulness towards them. I would also thank all those who inspired and encouraged us in our search of 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 and Vocational Education and Training (TVET) 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 and extension 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 and vocational education and training.

VISION

NITTTR, Chennai envisions to be a leading institute in promoting excellence in Technical and Vocational Education and Training (TVET) systems by planning, designing, developing, implementing and evaluating quality training programmes, learning resources, research studies and extension services for Technical educational institutions, Industry and Community.

Our Short Vision Statement:

"Promoting Excellence in Technical Education"

MISSION

NITTTR, Chennai is a resource Institution established by the Government of India for quality improvement of Technical and Vocational Education and Training (TVET) 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 including web based one.
- * To demonstrate leadership by organising dynamic and leading edge programmes to meet the changing needs of the Industry and the Community.
- * To develop into a Deemed University in order to provide effective and efficient services to the technical teachers.
- * To help in solving problems in Engineering and 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 teachers and in turn to students.

- ◆ Quality Education and Training
- ◆ Teamwork
- ◆ Staff Development for continuous learning
- ◆ Openess and Transparency
- ◆ Cliental 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, vocational and management education, at regional and national levels.
- ✓ To arrange for training of technical personnel in industries on a cooperative 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 and vocational education 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 and vocational institutions and other organisations.
- ✓ To offer programmes for Technical and Vocational 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 and award 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 and Extension work for industry, technical institutions/organisations.
- ✓ To establish 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.

3.0 FOCUS OF ACTIVITIES DURING 2014-2015

As a dynamic organisation, the institute periodically reorients its programmes and activities to proactively respond to the changing needs of the clientele system. During the year 2014-2015 the institute undertook programmes, projects and activities under five major areas namely: (i) Faculty Development, (ii) Curriculum Development, (iii) Instructional Resources Development, (iv) Research & Development and (v) Extension and Consultancy Services.



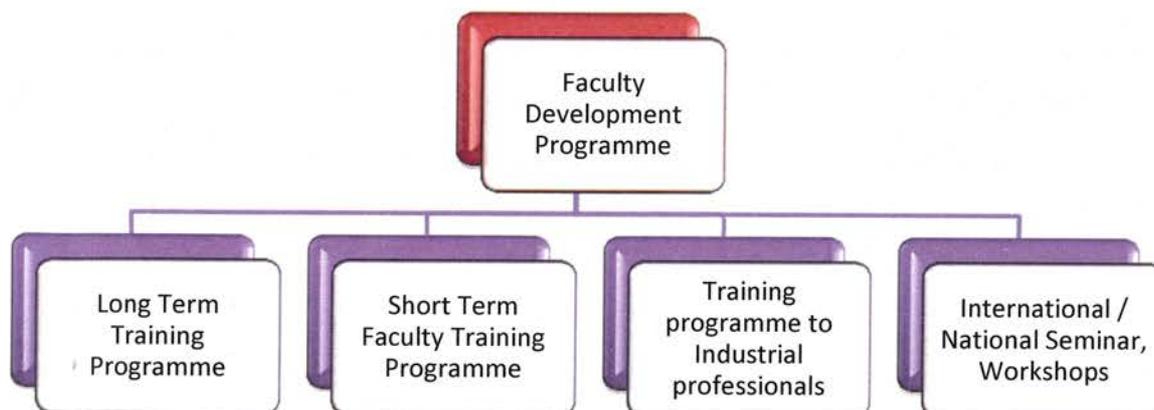
The institute focused on the following activities during the year 2014-2015:

1. Training of teachers of Engineering Colleges, Polytechnics and personnel from industry and professionals through Short term courses in areas like Engineering and Technology, Applied Science, Instructional Design and Delivery, Educational Technology, Accreditation, Educational Management, Institutional development, Human Resource Development, Curriculum Development and Entrepreneurship Development.
2. Web based training programme in the area of basic and advanced pedagogy for the faculty members of technical institutions.
3. Conducting seminars/workshops for Professional Development of Teachers.
4. Developing research capabilities in teachers of Engineering Colleges, Polytechnics and personnel from industries through Inter-disciplinary research leading to Ph.D.
5. Training of teachers of Engineering colleges, Polytechnics and others through long term programmes like M.Tech. (HRD).
6. Providing expertise to overseas participants through specially designed training programmes.
7. Developing curricula for education and training programmes and revising the curricula of existing programmes.
8. Developing/revising instructional resources (materials and media) needed for effective implementation of Polytechnic and Engineering College Curricula.
9. Undertaking research and development projects relevant to technical education system.
10. Developing and offering Virtual learning programmes for training technical teachers and professionals from industries.
11. Providing extension & 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. National Mission on Education through ICT
- e. National Mission on Teachers and Teaching
- f. Expert committee visit to facilitate accreditation
- g. Technical and consultancy service in the area of engineering / technology
- h. 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 and overseas teachers 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 Anna University, Chennai and University of Madras.

Thus as on date, 40 candidates are pursuing Ph.D. Programme in this Institute. Seven scholars were awarded Ph.D. degree in Engineering Education by the University of Madras during this year and one scholar has enrolled for the Ph.D. programme as detailed below:

Table 1: Details of Research scholars who completed the Degree:

S. No.	Name & Institutional affiliation of the candidate	Title of the Thesis	Supervisor	Date of Viva Voce
1.	Mr. S. Rajasekar Research Assistant Department of Education NITTTR, Chennai – 113.	A Study on Non Technical Competencies of Engineering College Students	Dr. B. Mukhopadhyay Former Professor and Head, Dept. of Educational Management and Applied Psychology	24.06.2014
2.	Mr. S. Natarajan Professor-MBA Dept., Sairam Engineering College, Chennai	Evaluation of the Human Resource Curriculum of MBA Programme of Anna University, Chennai	Dr. D. Brahadeeswaran, Professor and Head, Dept. of Policy Planning & Educational Research	06.08.2014
3.	Mr. B. Maruthu Kannan Full Time Research Scholar Department of Education, NITTTR, Chennai – 113.	A Study on Web Assisted Collaborative Learning for under Graduate Automobile Engineering Students	Dr. B. G. Barki Former Professor and Head, Dept. of Education	01.09.2014
4.	Mr. B. V. Mathew Professor, Dept. Of Civil Engineering, SJ CET, Kottayam, Kerala.	Development of a Model Curriculum for a Flexible Credit Based Four Year Degree Programme in Building Technology and Management	Dr. V. Thanikachalam, Former Professor and Head, Dept. of Correspondence Courses	10.10.2014
5.	Mr. S. Subbaraj Full Time Research Scholar, Dept. of Correspondence Courses, NITTTR, Chennai – 113.	A Study of the Effectiveness of the Present Mechanical Engineering Curricula with specific Reference to Design Competencies	Dr. V. Thanikachalam, Former Professor and Head, Dept. of Correspondence Courses	10.10.2014
6.	Ms. M. Anita Indu Full Time Research Scholar, Dept. of Education, NITTTR, Chennai – 113.	A Study to Access the Impact of ICT based Training Programme for the skill development of Differently Abled students	Dr. B. G. Barki Former Professor and Head, Dept. of Education	23.02.2015

S. No.	Name & Institutional affiliation of the candidate	Title of the Thesis	Supervisor	Date of Viva Voce
7.	Mr. A. N. Parameswaran Dean, IIC SRM University, Chennai	Effectiveness of Institute – Industry Collaboration on the Quality of Education in Engineering Institutions in Tamil Nadu	Dr. E. S. M. Suresh Professor and Head, Dept. of Civil Engineering	25.03.2015

Table 2: Details of the Research scholar enrolled:

S. No.	Name of the candidate	Title of the Thesis	Supervisor	Date of Joining
1.	Mr. Muthamizh Murugan	Assessment of Aircraft Maintenance Technician Curriculum in IAF with reference to DGCA guidelines for purpose of standardisation	Dr. S.Dhanapal Director incharge and Professor & Head Curriculum Development Centre	17.02.2015

So far a total number of 66 scholars have been awarded Ph.D. degree.

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

This master's programme of four semesters aims to produce competent human resource developers 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 of 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 of the second semester.

At present in the X Batch four candidates are pursuing M. Tech (HRD) programme.

c) OVERSEAS TRAINEES COURSES

During the year 2014-15, the institute organized eight training programmes for the overseas participants under the ITEC scheme and its corollary SCAAP (Special Commonwealth African Assistance Programme). It is fully-funded by the Government of India, for training civilians from 158 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 33 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 Ministry of External Affairs, Govt. of India has generated immense goodwill and substantive cooperation among the developing countries. The Centre for International Affairs carries out the overall management of the programmes, with the respective coordinators taking care of the academic aspects.



Table 3: Eight Weeks OTC Programmes during the year 2014-15

Courses	Subject Coordinators
Curriculum Design and Instructional Material Development	Dr. S. Dhanapal
Sustainable Development and Environmental Management	Dr. G. Janardhanan
Development of Technical Education to meet the Global Needs	Dr. T. Jagathrakshakan and Dr. R. Santhakumar
Women Empowerment through technical and vocational education	Dr. S. Renukadevi
Modern Library Practices Management	Dr. R. Ravichandran
Water Quality Analysis: Laboratory Practices	Dr. G. Janardhanan
Information & Communication Technology in Education & Training	Dr. V. Shanmuganeethi
Spatial Information Technology for Urban Planning and Management	Dr. E.S.M. Suresh and Shri K.S.A. Dinesh Kumar

Table 4: Enrolment by Nation: 2014-15

Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled
AFGHANISTAN	4	JORDAN	1	RUSSIA	1
ALGERIA	3	KENYA	2	SENEGAL	1
BANGLADESH	8	KYRGYZSTAN	1	SRILANKA	1
BHUTAN	7	LAOS	1	SOUTH AFRICA	2
CAMEROON	1	LITHUANIA	2	SUDAN	4
COLOMBIA	1	MADAGASCAR	4	SYRIA	2
EGYPT	4	MALAWI	1	SWAZILAND	1
ETHIOPIA	8	MAURITIUS	10	TANZANIA	12
FIJI	4	MOSCOW-STP	1	THAILAND	2
GAMBIA	1	MYANMAR	8	UGANDA	2
GHANA	4	NEPAL	2	UZBEKISTAN	1
GUATEMALA	1	NIGERIA	1	VIETNAM	1
INDONESIA	1	PERU	2	ZAMBIA	2
IVORY COAST	1	PHILLIPINES	1	ZIMBABWE	5
Total candidates					122

i. **Advanced Certificate Course on “Curriculum Design and Instructional Material Development”**

The course aims at developing competencies needed for curriculum design and development of appropriate instructional materials. The 33rd batch of this course was conducted by the Curriculum Development Centre of the institute from 1st October to 25th November 2014. Fifteen participants from twelve countries viz., Bangladesh, Fiji, Guatemala, Myanmar, Nepal, Thailand, Mauritius, Swaziland, Tanzania, Kenya, Malawi and Indonesia attended this course. A total number of 581 overseas trainees, so far are trained by the institute through this course.



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

The main objective of this course is to inculcate the values, behaviors and lifestyles required for a sustainable future and for positive societal transformation. The enabling objectives are:



a. To provide an understanding on the methods and approaches for sustainable environmental development and understand the interrelationships among socio, economic and environmental issues;

b. To provide the modes of assessing the impact of developmental projects on environment and to suggest appropriate remedial measures; and

c. To foster an increased quality of

teaching and learning in education for sustainable development;

This is the fifth batch, coordinated by the Centre for Environmental Management from 3rd December 14 to 27th January 2015. Seventeen participants from 11 countries viz., Egypt, Madagascar, Jordan, Sudan, Algeria, Bhutan, Myanmar, Peru, Tanzania, South Africa & Laos attended this Programme.

So far (including the fifth batch), a total number of 96 overseas trainees are trained by the institute through this course.

iii. **Advanced certificate course on Development of Technical Education to meet the Global Needs**

Centre for International Affairs, offered the fourth batch of this course from 3rd December 2014 to 27th January 2015. Eleven participants from 9 countries viz., Bangladesh, Syria, Ivory Coast, Sudan, Ethiopia, Mauritius, Cameroon, South Africa & Zimbabwe participated in the programme. The main focus of this programme is to assess the human resource needs of the growing industries from skilled workers to engineers / technologists / managers. Outcome was focused towards developing National Education Policy through the participation of stake holders and preparing guidelines for organizing technical education institutions through public private participation. So far (including the fourth batch), a total number of 70 overseas trainees are trained by the institute through this course.

iv. Advanced Certificate course on Modern Library Practices Management

The main objective of this course was to develop competencies for facilitating e-access to IT based knowledge – streamlining library processes, promoting and enhancing reading habits among the users – managing and developing collections, services and facilities. The seventh batch of this course was conducted by the Resource Centre of this institute from 30th July to 23rd September 2014. Twenty three participants from 12 countries viz., Bangladesh, Ethiopia, Sudan, Afghanistan, Bhutan, Tanzania, Zambia, Mauritius, Nepal, Uganda, Gambia and Fiji. So far (including the seventh batch), a total number of 157 overseas trainees are trained by the institute through this course.



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

The course was designed to enable the participants to evolve appropriate strategies for women empowerment in their respective countries and use these strategies. The eighth batch of this course was conducted by the Department of Education of this institute from 30th July to 23rd September 2014. Ten participants from six countries viz. Sri Lanka, Ghana, Zimbabwe, Tanzania, Kenya and Mauritius attended this course. So far (including the eighth batch), a total number of 88 overseas participants are trained by



the institute through this course.

vi. **Advanced Certificate Course on “Water Quality Analysis: Laboratory Practices”**

The objective of this course was to provide innovative and responsive professional development and training in the area of water quality assessment through improved monitoring, good laboratory practice technique, effective application and enforcement of legal and institutional arrangements. The fifth batch of this course was conducted by the Centre for Environmental Management of the institute from 4th February to 31st March 2015. Nineteen participants from 14 countries viz. Colombia, Egypt, Ethiopia, Fiji, Lithuania, Madagascar, Moscow-STP, Thailand, Uzbekistan, Vietnam, Mauritius, Nigeria, Tanzania & Zambia attended this course. This course was structured into three major units totaling up to 12 curriculum modules. Course is a proper blend of field and lab studies with integrated lectures in preexisting related courses (text or lecture-note based). Training programme explored the subject through resources, development, impact and management. So far (including the fifth batch), a total number of 74 overseas trainees are trained by the institute through this course.



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

The second batch of this course was conducted by Educational Technology and Multimedia Media centre from 4th February to 31st March 2015. Fourteen participants from 10 countries viz., Afghanistan, Ethiopia,



Kyrgyzstan, Madagascar, Myanmar, Philippines, Russia, Senegal, Mauritius & Zimbabwe participated in this course. Information and Communication Technology (ICT) in Education and training programme allows to integrate technology into the teaching, e-content development, delivery and provide leadership in technology integration. The programme objectives are to understand the concepts of IT applications in the area of training and

administration, to provide sufficient knowledge in Database Management System, to Understand Intranet / Internet Environment, to appreciate the use of e-learning technologies, to understand the principles of Learning Management System (LMS) and to understand Information security and Information retrieval. So far (including the second batch), a total number of 30 overseas trainees are trained by the institute through this course.

viii. **Advanced Certificate Course on Spatial Information Technology for Urban Planning and Management**

The first batch of this course was conducted by Civil Engineering Department from 27th October to 19th December 2014. Thirteen participants from 8 countries viz., Ethiopia, Myanmar, Bangladesh, Afghanistan, Algeria, Mauritius, Ghana & Zimbabwe participated in this course. The programme objectives are

- Grasp the fundamental concepts of GIS.
- Digitize the given map with suitable scale.
- Obtain the map of an area in the raster format from satellite imagery or by scanning.
- Convert the maps from raster format to vector format.
- Execute the map corrections to improve the accuracy levels.
- Generate the necessary attribute data using suitable software tools.
- Link the geographic and attribute data using appropriate packages.
- Create appropriate GIS topology in the given package.
- Operate the identified queries for decision making.
- Work with GIS modeling phenomena.
- Develop capabilities to work with standard and open source software in GIS.
- Present results in appropriate formats using multimedia.
- Develop the GIS data base for various application of Urban planning and management



This programme integrates land management, civil engineering, water conservancy, traffic management, urban planning, construction and information technology and also provides the participants to a more professional application to geographic information system theory.

Highlights of the Overseas Trainees Courses

- Sponsored by the Indian Technical and Economic Cooperation Scheme (ITEC) and the Special Commonwealth Africa Assistance Programme (SCAPP) of the Ministry of External Affairs and Technical Corporation Scheme (TCS) of Colombo Plan of Ministry of Finance of Government of India.
- A total of 122 participants (teachers and administrators) from 42 countries
- Individual presentation in the seminars by the participants and carrying out project work individually.
- 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.

4.2 SHORT TERM TRAINING PROGRAMMES

a) POLYTECHNIC COLLEGE PROGRAMMES

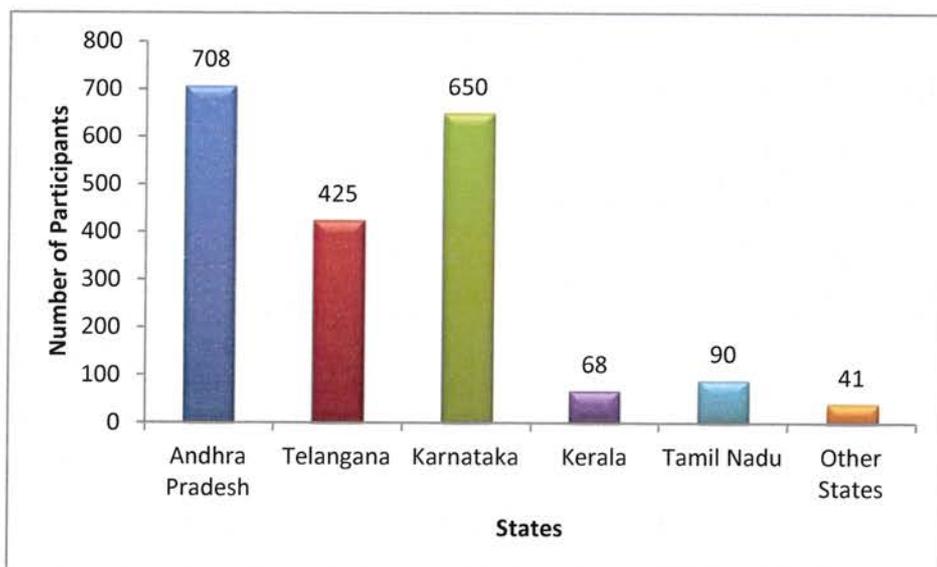
The institute continued to implement the Government of India's scheme of Quality Improvement Programme (QIP). The main objective of the scheme is improving the competencies of a large number of teachers in a relatively short period through short-term staff development courses of one to two weeks duration. Recognizing the need for teachers and other staff to enrich their knowledge and keep themselves abreast with the latest technologies, the institute organised training and re-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 needs of the teachers of the polytechnics in each of the southern states were identified through customized workshops. Four such workshops were conducted – one in each state. The course details, duration and venue were finalized in Programme Development Committee meetings attended by the representatives of Directorates of Technical Education and Principals of selected Polytechnics. These meetings ensured that the courses planned, designed and conducted catered to the training needs of teachers. These staff development courses were organized at the institute, its Extension Centres and also in selected polytechnics. 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
- ▶ Guidance and Counseling
- ▶ Communication Skills
- ▶ Instructional Content Development for Electronic Media
- ▶ Use of free and open source software
- ▶ ICT Tools for Teachers
- ▶ Research Methodology
- ▶ TQM Practices in Industry
- ▶ Curriculum Revision for Diploma Programmes.

The performance in this area during the year under report had been impressive as 93 courses were conducted involving a total of **1982** participants (Male: **1491**, Female: **491**) from the polytechnics. Thus to date **69,107 teachers** have been trained through **3687 courses**.



Number of faculty trained during 2014-15

Table 5: Enrolment in Polytechnic courses 2014-15

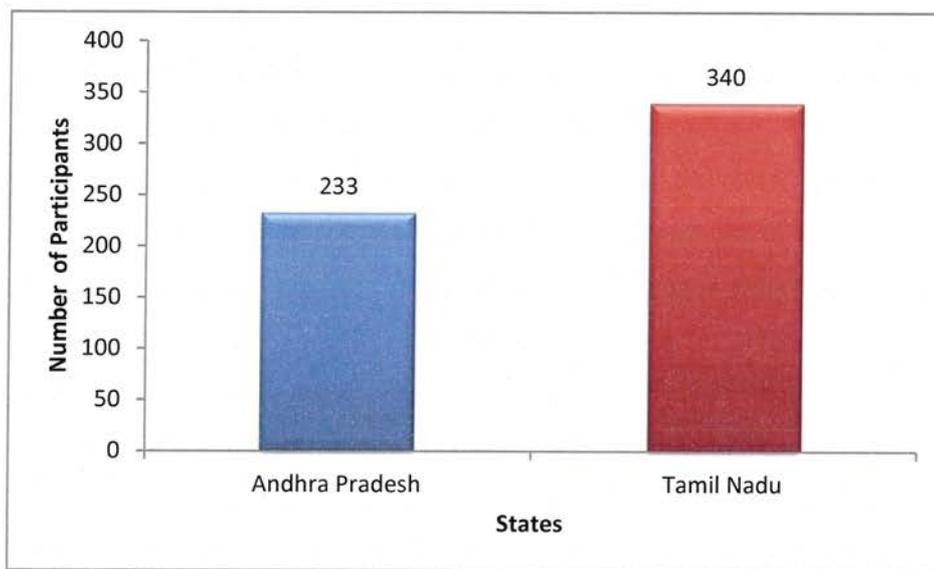
Sl. No.	TOPIC	No. of Participants
1.	Limit State Design of Steel Structures as per I.S. 800-2007	22
2.	8051 Micro Controller and its Interfacing	25
3.	CNC Machines	25
4.	Schematic and Simulation using MULTISIM	20
5.	Computer Aided Drafting using AutoCAD	24
6.	Instructional Design and Delivery System	29
7.	Computer Aided Design and Manufacturing	26
8.	Soft Skills	28
9.	Advanced Manufacturing Techniques	21
10.	Modern Surveying using Total Station and GPS	15
11.	Educational Technology Tools for Teachers	17
12.	Environmental Engineering Laboratory Practice - EXCITE Programme (EXcellence in Civil Engineering Teaching)	17
13.	Free and Open Source Software in Civil Engineering	15
14.	Special Machines and Advanced Electrical Motor Control	21
15.	Multimedia Development Learning	29
16.	Hydraulics and Pneumatics	19
17.	Computer Aided Manufacturing and Metrology	23
18.	Construction Techniques and Management	17
19.	Research Methodology	37
20.	e-Content Development for Core Java	18
21.	Induction Programme for Newly Recruited Teachers	37
22.	Non-Conventional Energy Sources	23
23.	Schematic and Simulation in PSPICE and PCB design using ORCAD	32
24.	Instructional Graphic Design	29
25.	Educational Video Production Workshop for Civil and Architecture branch Teachers	15
26.	Repairs and Renovations of Structures	24
27.	Advances in Welding and Manufacturing	21
28.	Web portal design using .NET Framework	24
29.	Electrical and Electronic Workshop Practice	24
30.	Computer Applications in Civil Engineering	15
31.	ARM Controller LPC 2148 and its interfacing	32
32.	Teaching - Geotechnical Engineering (EXCITE Programme)	17

Sl. No.	TOPIC	No. of Participants
33.	Heating Ventilation and Air-Conditioning	32
34.	TQM Practices in Industry	16
35.	PLC and SCADA	20
36.	Preparation of Evaluation Items for e-Content	22
37.	Instructional Design and Delivery System	17
38.	TQM practices in Industry	16
39.	TQM practices in Industry (A-View Mode)	46
40.	Guidance and Counselling	29
41.	Design of Earthquake Resistant Structures	23
42.	Electrical and Electronic systems in Wind and Solar Energy applications	22
43.	Instructional Strategies for Online Courses	23
44.	Understanding the Flipped Classroom	5
45.	Learning Management Systems	10
46.	Green Building Concepts and Sustainable Development	22
47.	ARM Controller LPC 2148 and its interfacing	21
48.	Educational Social Media	16
49.	Refrigeration	14
50.	Refrigeration and Air conditioning	22
51.	Education for Sustainable Development	12
52.	Educational Video Production Workshop for Mechanical and Allied branch Teachers	13
53.	Website Design and Deployment	12
54.	Preparation of Evaluation Items for e-Content	18
55.	Learning Management Systems	14
56.	Environmental Impact Assessment	14
57.	8051 Micro Controller and its Interfacing	18
58.	Advances in Heat Treatment and Welding	13
59.	Gender Issues in Technical Education	13
60.	Instructional Audio-Video Design	16
61.	Workshop for Curriculum Revision (Commercial Practice, Applied Science, Applied Maths, English and Allied Branches)	38
62.	Computer Aided Design and Manufacturing	12
63.	Solid Waste Management	14
64.	e-Content Publishing	12
65.	Workshop for Curriculum Revision (Computer Science, Electrical and Electronics and Allied Branches)	27

Sl. No.	TOPIC	No. of Participants
66.	Induction Programme for Newly Recruited Teachers	54
67.	Non Traditional Machining and Non Destructive Testing	22
68.	Computer Applications in Project Management	21
69.	Industrial Instrumentation and Automation	29
70.	Evolving Trends in e-learning Technology	12
71.	Workshop for Curriculum Revision (Printing and Allied Branches)	19
72.	Nano Technology and Applications	21
73.	Health and Physical Education	28
74.	ICT Tools for Teachers	17
75.	Energy Resources Management	19
76.	Building Information Modeling using REVIT Architecture	15
77.	Embedded Systems	25
78.	Educational Video Film making Workshop for Computer Science and Allied Branch Teachers	18
79.	Circuits and Measurement Lab Practice	29
80.	Workshop for Curriculum Revision (for Mechanical and Allied Branches and Junior Technical Schools)	40
81.	Induction Programme for Newly Recruited Teachers	52
82.	Communication Skills	34
83.	Robotics and Mechatronics for Industrial Automation	14
84.	Computer Applications in Structural Engineering	13
85.	Water Quality Data Analysis and Interpretation	5
86.	Strategic Planning and Institutional Development	11
87.	Workshop for Curriculum Revision (for Electronics and Allied Branches)	25
88.	Renewable Energy Applications	22
89.	Limit State Design of Steel Structures as per I.S. 800-2007	15
90.	Educational Video Film making Workshop for Circuit Branch Teachers	17
91.	Limit State Design of RC Structures	13
92.	Workshop for Curriculum Revision (for Civil and Allied Branches)	24
93.	Thermal Power Engineering	5
Total		1982

b) ENGINEERING COLLEGE PROGRAMMES

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers. 12 short term courses covering 573 participants (Male: 397, Female: 176) were organised. Online evaluation is also introduced in this academic year to gauge the effectiveness of the programme,



Thus to date, 23,067 teachers have been trained through 581 courses during the past fourteen years.

Table 6: Enrolment in Engineering courses - 2014-15

Sl. No.	Venue	No. of Participants
INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM (IDDS)		
1	Sri Vasavi Institute of Engg., and Technology, Machilipatnam, Andhra Pradesh.	50
2	JB Institute of Engineering & Technology, Andhra Pradesh.	50
3	Priyadharshini Engg. College, Vaniyambadi	51
4	Madanapalle Institute of Technology & Science, Madanapalle	33
5	KCG College of Tech., Chennai	40
6	RVS College of Engineering and Technology, Coimbatore	55
7	Visaha College of Engg & Technology, Visahapatnam	46
8	SNS College of Engineering Coimbatore	55
9	G Pulla Reddy Engineering College, Kurnool	54

Sl. No.	Venue	No. of Participants
10	Ganadipathy Tulsi's Jain Engineering College, Vellore, TN	34
11	MNM Jain College, Chennai	55
Teaching Methodology		
12	Sree Saastha Institute of Engineering & Technology, Chennai	50
Total		573

4.3 INTERNATIONAL SEMINARS/ WORKSHOPS CONDUCTED

A total of fifteen seminars / workshops were conducted during this year. A total of 1254 participants from Engineering colleges, Polytechnic colleges, Industries, Government departments and professionals participated in them. The details of each of these programmes are given below.

a) UKIERI – AICTE workshop on "Further Education Leadership Development programme"

The National institute of Technical Teachers Training and Research (NITTTR), Chennai was acting as a delivery partner for UKIERI AICTE Further Education Leadership Development programme. This programme focused on identifying and exploring key issues and challenges in the leadership and management of technical and vocational institutions and in turn application of effective leadership and management techniques and their beneficial impact on departmental and institutional performance.. The major learning objectives for this training are to develop managerial skills, to respond proactively both at the functional and unit levels, to achieve the goals of the department and to meet the global standards. Under the programme, the four workshops were conducted.



Cohort - 1	
Workshop – 1	April 28-30, 2014
Workshop – 2	June 02-04, 2014
Workshop - 3	December 01-03, 2014
Cohort -2	
Workshop – 1	December 03-05, 2014

The first workshop was inaugurated by Prof. Dr. Allam Appa Rao, Chairman, Board of Governors, NITTR Chennai. Speaking at the inaugural programme, Shri Kumar Jayant IAS, Commissioner, Directorate of Technical Education, Government of Tamil Nadu remarked on the low quality output from the current polytechnics with failure percentage of 55%. He



advocated the need for such leadership development programmes which focusses on faculty, aims for more democratisation and provides on-the-job training. Speaking at the inaugural session, Dr K P Issac, Member Secretary, AICTE reiterated his support to the programme and highlighted the impact it can create

to improve quality of vocational and technical education. He clarified that by inclusion of specific case study examples, facilitated group discussion, participant-led plenary feedback and leadership and management accreditation opportunities, this programme would result in real tangible benefits. Delivered by trainers from Dudley College UK, the training is a part of a comprehensive leadership development programme jointly funded by AICTE



and UKIERI. The programme includes face to face training workshops, online resource development with exclusive LMS. Throughout the programme, participants were encouraged and empowered to view the training through the lens of their own institution's context, with assessment activities being based around the practical application of their new skills within their organisation.

b) Workshop on Effective Use of NMEICT Products in Teaching

The National Institute of Technical Teachers Training and Research (NITTTR), Chennai has conducted five workshops on Effective Use of NMEICT Products in Teaching. A total of five workshops were conducted for the teachers of polytechnics and engineering colleges of southern states. First workshop was conducted on July 7th and 8th 2014 for the state of Tamil Nadu and Puducherry, second workshop focused for the state of Karnataka on July 24th and 25th 2014, third workshop was for the polytechnic teachers of Puducherry on August 7th 2014, fourth workshop was conducted for the



engineering college faculty members of Puducherry state on August 14th 2014 and fifth workshop was for the polytechnic teachers of Kerala on 25th and 26th September 2014.

A total of 346 faculty members are trained in these five workshops related to NMEICT Sensitization, which includes 54 principals from the polytechnics and engineering institutions. Shri. Praveen Prakash, Joint Secretary, Ministry of Human Resource Development; Dr. S. Mohan, Director, NITTTR; Ms. Shyama, Spoken Tutorial; Prof. Mangal Sunder, NPTEL and Prof. Kavi Arya, E-Yantra projects; Prof. Kamal Bijlani, Amirta University served as resource persons for the workshops.

This workshop provided a great insight to the participants about the availability of NMEICT products and every one expressed their eagerness to take it forward by utilizing in their classroom teaching.

c) International Seminar on “Role of Engineering Education in Promoting Gender Equality”

An International Seminar on “Role of Engineering Education in Promoting Gender Equality” was organised by National Institute of Technical Teachers Training and Research, Chennai in collaboration with Sri Ramakrishna Engineering College, Coimbatore on 4th September, 2014 at Sri Ramakrishna Engineering College, Coimbatore. The broad objectives of the seminar were (i) to understand the Gender Mainstreaming practices in Engineering Education, (ii) to understand the challenges and avenues involved in Promoting Gender Equality.

A total of 125 Participants from different countries namely Mauritius, Kenya, Ghana, Tanzania, Sri Lanka and Zimbabwe in addition to Indian delegates attended this Seminar. The delegates namely, (1) Dr. V. Lakshmi Prabha, Principal, Govt. College of Technology, Coimbatore, (2) Dr. S. Renukadevi, Professor & head i/c, Department of Education, NITTTR, Chennai, (3) Mr. William Nzioki Komu, Senior

Economist, Ministry of Devolution and Planning, Directorate of Gender, Nairobi, Kenya, (4) Dr. K. Chitra, Director, Department of Management Studies, Sri Ramakrishna Engineering College, Coimbatore, (5) Mr. Mohammad Walid Al-Jaseem Sairally and Mrs. Aruna Ghunowa, Ministry of Gender Equality, Child Development & Family Welfare, Mauritius, (6) Ms. Divya Seethapathy, Manager, IMFM, Precision Manufacturing Facility, Heavy Engineering IC, Larsen and Toubro, Coimbatore, (7) Dr. S. Maragatham, Dean, Faculty of Engineering, Avinashilingam Institute for Home Science and Higher Education for Women University, Coimbatore and (8) Ms. Rosemary Wilfred Ogoniek, Migombani Secondary School, Tanzania presented the papers in the seminar.



The seminar enabled the participants to understand Gender Mainstreaming and would hopefully enhance and improve the Gender Mainstreaming practices in Engineering Education at Sri Ramakrishna Engineering College, Coimbatore.

d) International Seminar on "ICTs in Knowledge Acquisition and Sharing"

The National Institute of Technical Teachers Training and Research (NITTTR), Chennai organized an international seminar on "ICTs in Knowledge Acquisition and Sharing" in collaboration with P.A. College of Engineering & Technology, Pollachi on 17th September 2014. The broad objective of this international seminar is to provide a suitable forum for (a) Access to all levels of knowledge; (b) improving the quality of education through ICT; (c) Enhancing lifelong learning using ICTs; and (d) Develop ICT-Based Teaching and Learning Systems.



Eminent speakers who worked in the area of ICTs were invited to deliver lectures on their field of interest. Around 80 participants including 23 foreign participants from different countries namely Tanzania, Bhutan, Zimbabwe, Mauritius, Fiji islands, Sudan and Bangladesh etc. and 57 participants from National level participated in the deliberation.

e) International Seminar on “SMART city Planning using Geographical Information System”

International Seminar on “SMART city Planning using Geographical Information System” was conducted by National Institute of Technical Teachers Training and Research, Chennai collaboration with PSNA College of Engineering, Namakkal on 10th December 2014 at PSNA College of Engineering. The objectives of the seminar were



- I. To understand the importance of Smart City Planning
- II. To explain the various aspects of Smart Energy, Smart Environment, Smart Buildings, Smart Transportation, Smart City Planning.
- III. To apply SCP in Urban Planning & Management

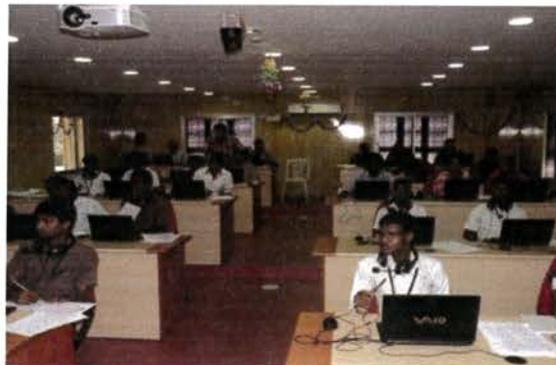
A smart city is a developed urban area that creates sustainable economic development and high quality of life by excelling in the arenas of environment, living standards of people, mobility and economy by the development of human capital, social capital and ICT infrastructure. By the application of technologies such as Spatial Information technologies, wireless networks, web & mobile based applications, smart cities are becoming a reality. A total of 70 participants attended this seminar.

The areas discussed in the Seminar were

- I. Remote sensing, GPS, GIS & Smart Image Processing in Smart City Planning
- II. Smart Buildings and Environment
- III. Smart Energy for SCP
- IV. Water, waste water and sewage Management in Smart City Planning
- V. Disaster Management for Smart City Planning

f) One day workshop on “LaTeX software Spoken Tutorial”

The National Institute of Technical Teachers Training and Research, Chennai and Spoken Tutorial, IIT Mumbai conducted one day workshop on “LaTeX software” on 15th November 2014 to empower faculty members with open source software for communication and publication of scientific documents. The main objective of the workshop is to (a) Learn LaTeX through Spoken Tutorials, (b) Create your own presentations & articles using LaTeX, (c) Create Mathematical & Chemical equations easily and (d) Promote the usage of technology in classroom teaching.



This special training programme was conducted in collaboration with Spoken Tutorial team of IIT Mumbai as a part of the National Mission on Education through ICT, MHRD Govt of India.

LaTeX is a typesetting tool, which is used for the communication and publication of scientific documents in many fields. It is widely used in academia and can also be used as a standalone document preparation system. LaTeX also has a prominent role in the preparation and publication of books and articles that contain complex multilingual content or mathematical formulae or both.

A total of 37 participants participated. It includes faculty members and students of polytechnic and engineering institutions.

g) International Seminar on “Smart Cities and Sustainable Development”

An international seminar on smart cities and sustainable development was organized by National Institute of Technical Teachers Training and Research, Chennai with Periyar Maniammai University, Vallam, Thanjavur on 8th and 9th January 2015 at Periyar Maniammai University, Vallam, Thanjavur.

The ‘Smart Cities’ model provides opportunities and challenges for cooperation on issues related to areas including energy, water, environment, information and communication technologies, and transport. The key features of a Smart City is in the Sustainability. The smart cities should be able to provide good infrastructure such as water, sanitation, reliable utility services, health care; attract investments; transparent processes that make it easy to run a commercial activities; simple and on line processes for obtaining approvals, and various citizen centric services to make citizens feel safe and happy. Government of India

has envisioned the concept of building 100 smart new cities in the country to accommodate rapid urbanization. The government looks forward to the



smart cities that will have better facilities, better connectivity and better environment. The Government of India has allocated US\$ 1.2 billion in fiscal year 2014-15 to build 100 new smart cities, and to develop satellite towns around existing cities.

This seminar included lectures by eminent speakers who worked in the area of sustainable development and smart cities planning. A total of

152 participants including 17 international delegates from different countries namely Egypt, Tanzania, Madagascar, Sudan, Jordan, Algeria, Bhutan, Myanmar, Peru, South Africa, Laos etc., are participated in this deliberation and presented their views towards making sustainable world.

h) International Seminar on Water and Sustainable Development

In commemoration of World Water Day, by National Institute of Technical Teachers Training and Research, Chennai and Periyar Maniammai University, Vallam, Thanjavur jointly organized the International Seminar on “water and sustainable development” on 23rd and 24th March 2015 at Periyar Maniammai University, Vallam, Thanjavur with the theme of World Water Day “Water and Sustainable Development”



The main objectives of this seminar were:

- i. To highlight the challenges linked to water and sustainable development and the significance of adopting and promoting a coherent plan for tackling those challenges
- ii. To promote water and sustainable development model and the related technologies and solutions linked to it with a particular focus to energy and environment
- iii. To promote the dialogue among international key institutions and experts focusing on water and sustainable development to identify common areas for Cooperation and promote action plans

This seminar included lectures by eminent speakers who work in the area of sustainable development and water resources engineering and management. A total of 160 participants including 19 international delegates from different countries namely Bangladesh, Colombia, Egypt, Ethiopia, Fiji, Lithuania, Madagascar, Moscow-stp, Thailand, Uzbekistan, Vietnam, Mauritius, Nigeria, Tanzania, Zambia etc., participated in this deliberation.

5.0 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, in furtherance of this objective, 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 2014-15, provided guidance for development of curriculum of Diploma programme of State of Kerala. Curricula of 35 programmes consisting of 250 courses were revised for the polytechnics of Karnataka state.

6.0 INSTRUCTIONAL MATERIALS DEVELOPMENT

During 2014-15, the institute updated the 28 course materials in various Engineering subjects, Pedagogy and Management for use by teachers of technical institutions.

7.0 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 18 video programmes were produced for teachers and students of technical education institutions.

8.0 PROJECTS RELATED TO RESEARCH & DEVELOPMENT AND EXTENSION & CONSULTANCY SERVICES

During 2014-15, the following 7 projects sponsored by various agencies were undertaken by the faculty of the Institute:

Table 7: Particulars of Ongoing Research & Development Projects

S. No.	Title of the Project	Sponsoring agency	Coordinators/ Members	Funds allotted
i.	Integrating Persons with Disabilities into the Main stream of Technical and Vocational Education	MHRD	Dr. S. Mohan Dr. S. Reunka Devi	2700000
ii.	National Faculty Development Centre for Industrially Relevant areas of Technology	AICTE	Dr. S. Mohan Dr. S. Dhanapal	2000000
iii.	Demonstrating Environmentally Sound Technologies for management of open dumpsites of MSW and transition towards controlled landfilling practices.	TNPCB	Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	716950
iv.	Computation of Volume using total station & GPS for Athipattu Site	TNSCB, Chennai.	Dr. S. Mohan Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	146068
v.	Tamil Nadu Road Sector Project Training Program	TNRSP Highways, Chennai	Dr. S. Mohan Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	2372000
vi.	Checking the Design & Monitoring the land fill Phase II & Phase III	TNWML Chennai	Dr. G. Janardhanan	800000
vii.	Preparation of Social Economic Survey Bio Metric Identity Capture slum MIS Topographical Survey GIS Based Slum Mapping in 4 Cities in Tirunelveli under RAY	TNSCB, Chennai	Dr. S. Mohan Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	2600000
TOTAL				11335018

9.0 NATIONAL SKILL DEVELOPMENT PROGRAMME

Rationale

The continued growth of the Indian Economy requires a large number of skilled workforce across a variety of sectors of economy including manufacturing, construction and service. The skill shortage is evident in every sector of the economy. The National Skill Development Mission aims at creating a pool of trained and skilled workforce, sufficient to meet the domestic requirements of a rapidly growing economy, with surpluses to cater to the skill deficits in other ageing economies so that India can effectively leverage its competitive advantage and harness the demographic dividend.

The Government of India has ambitious plans for providing skill training for about 10 million youth every year and has identified about 21 priority areas through a process of extensive survey and prioritisation. The Ministry of Human Resource Development has taken up a major role in imparting the skill development at various levels involving formal and non-formal education and training institutions.

India has over 350 million young people in the age of 15 to 35 years. At present, the country has the capacity to train only about 2% of its youth through formal vocational training, and another 8% through non-formal vocational training.

As part of the initiative of the Ministry of Human Resource Development of Govt. of India, the institute has taken up the following activities towards the National Skill Development Programme.

- Develop curricula and training modules involving experts from industry and training institutes.
- Organise Training of Trainers programmes for identified master trainers.
- Strive to establish Centre of Excellence with state of art equipment for Training of Trainers.
- Contribute to the Curriculum and instructional material for implementing NVEQF compliant training programmes.
- Plan a strategy for a scheme of Credit Accumulation for training modules leading to award of Diploma or Certificate.

As the first step, the process of identifying and prioritising the training needs and trades for which curricula are to be developed has been completed.

The curricula for a total 76 trades, the following five sectors have been developed so far:

Name of the Sectors

- i) Textiles and Clothing
- ii) Health Care Services
- iii) Electronics and IT Hardware
- iv) Leather & Leather Goods
- v) Auto / Auto Ancillary

10.0 SCHEME OF COMMUNITY DEVELOPMENT THROUGH POLYTECHNICS

As a Direct Central Assistance Scheme, the scheme of Community Development Through Polytechnic (CDTP) sponsored by MHRD, Govt. of India, New Delhi in February 2009 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
28	19	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 the Scheme in their respective polytechnics, the Centre for Sustainable Development (CSD) 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 CSD assists the MHRD in scrutinisation, preparation of various progress Reports and the Expenditure related matters.

During the Year 2014-15, the Operational Plan Proposals for the Scheme of CDTP submitted by the Polytechnics in the Southern Region were scrutinized and approved. Also the Utilisation Certificates (UC's), Statement of Accounts (SOA's) and the Physical Achievement Reports (PAR) submitted by the polytechnics for the year 2013-14 were scrutinized and forwarded to the Ministry.

Besides, the Expenditure details and the Annual Report (PAR) relating to each of the Polytechnic in the region for the year 2013-14 were prepared and submitted to the Ministry.

During the year 2014-15, the Nodal Officers meeting for Karnataka, Tamil Nadu and Kerala State was conducted separately on preparation of success stories based on skill development training activity. Totally fifty four persons attended these meetings. The success stories prepared by the polytechnics cover the areas of activities of skill development training, transfer of technology and technical service under the scheme of CDTP. The candidates who had successfully started self employment ventures and also got wage employment in various concerns and also some candidates who got job in abroad will also be included in this programme.

11.0 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

- Promoting education and training of PWDs in the main stream of technical and vocational education and skill development programmes through formal and non-formal programmes.
- Identifying PWDs in the suitable geographic catchments of the polytechnics.
- Identifying suitable education and training programmes for PWDs with special emphasis on non formal skill development programmes for illiterate youth with disabilities, for promoting wage or self employment as far as possible at their place or residence.
- Designing need and competency based curricula for PWDs
- Preparing / procuring / developing suitable resources, including physical, human and informational, for effective implementation of the programme.
- Developing norms and standards for different phases of the Scheme, wherever needed.
- Networking and collaborating with resource institutions and other organizations and take their assistance for manpower training, guidance and effective implementation of the scheme.
- Sensitizing 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.
- Developing innovative educational technologies and approaches for education, training and rehabilitation of youth with disabilities.
- Strengthening 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.
- Evolving suitable methods and practices for monitoring the scheme.

Polytechnics in the Southern region implementing the Scheme

- Dr. Dharmambal Govt. Polytechnic College for Women, Chennai
- Government Polytechnic College for Women, Coimbatore
- ArasanGanesan Polytechnic College, Sivakasi
- Women's Polytechnic, Lawspet, Pondicherry
- Government Polytechnic, Kottayam
- Sree Rama Government Polytechnic, Thriprayar
- Smt. LV Government Polytechnic, Hassan
- Government Polytechnic for Women, Mangalore
- Government Polytechnic, Belgaum

Achievements

The particulars of Persons with Disabilities admitted/trained during the year 2014 - 15 are given below:

PWD STUDENTS	
FORMAL DIPLOMA PROGRAMMES (Admitted)	NON- FORMAL COURSES (Trained)
50	234

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

- Bag Making
- Basic Computer Skills
- Cell Phone Servicing
- Computer Applications
- Computer Hardware Assembling and Servicing
- Desk Top Publishing
- Dress Making
- Garment Manufacturing and FDDM
- Recaning/ Reknitting of Chairs
- Soft Toy Making
- Tailoring and Embroidery
- Type Writing

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

12.0 VIRTUAL NITTTR

Offering teacher training programmes through Virtual mode is a priority area of the institute. The institute continues to exploit the potential of ICT and computer-network compatibility to provide the benefits of e-learning. In order to cater to a large number of technical teachers the institute is working with the concept of Virtual NITTTR to offer training programmes on-line. The Department of Educational Technology & Multimedia (ET&MM) of the institute has taken up, on mission mode, a variety of initiatives for developing digital resources in the form of Self-Learning Packages (SLPs), Multimedia Learning Packages (MMLPs) and Computer Based Tutorials (CBTs).

Objectives

The main Objective of Virtual NITTTR is to provide quality training to technical teachers through online virtual mode and in turn make students learn effectively through trained teachers.

The enabling objectives are:

- To design and develop e-learning environment, which exploits the capabilities of the Internet and multimedia to provide on-line learning opportunities to technical teachers.
- To provide continuous learning opportunities to technical teachers by extending training from centralised training institutions into the teacher trainee's own working environment.
- To train a large number of technical teachers in pedagogical competencies, classroom management, guidance and counselling and content related areas.
- To provide e-learning opportunities to students from rural and backward areas as well within a reasonable period of time.
- To facilitate technical institutions encourage teachers to utilize training opportunities through e-learning environment in the present day situation of shortage of faculty.
- To provide e-learning resources in engineering courses to students studying in engineering colleges and polytechnics.
- To offer on-line programmes for community and for teachers and educational administrators from overseas countries.

Outcomes of the Project

The e-Content development caters to knowledge creation and dissemination which supports the core objective of the mission. The following are the outcomes accomplished:

- Providing life-long learning to technical teachers, students and society and also provide the potential for education to be moved out of centralized educational institutions into the teachers' / students' door steps.
- Covering a large population; distance and time factors are being eliminated gradually if not immediately and completely.
- The problem of deputing teachers for external training programmes get minimized.
- Providing learning opportunities with quality content in the present day situation of shortage of faculty in the technical institutions.
- Minimizing the digital divide.

Web-based Courses/ Webcasting is planned to be organised during the next year to offer training to a larger population of Technical Teachers. Technical Institutions with suitable infrastructure facilities are being identified for serving as nodal centres for Webcasting.

13.0 IMPLEMENTATION OF THE USE OF HINDI LANGUAGE

To promote the use of Hindi in the Institute as envisaged by the Official Language Implementation Committee, a number of activities are being implemented. During the year the following activities were conducted:-

- (i). The Official Language Implementation Committee of MHRD (O.L.), Department of Hr. Education, New Delhi – selects the Office for Official Language Shield for Best Implementation every year. Accordingly, NITTTR, Chennai has been chosen for the “Rajbhasha Shield” for the year 2013 for its “excellent performance” in the implementation of Official Language. “Rajbhasha Shield” Shield was received by Prof. Dr. S. Mohan, Shri V. Veerasamy, Consultant (Admin.) & Shri. J. Ramesh Kumar at the All India Official Language Seminar held on 22 & 23 May, 2014 at Gitam University, Visakhapatnam, Andhra Pradesh under the auspicious of MHRD (O.L.), New Delhi.



- (ii). A one day Hindi workshop was organized by Hindi Cell of our Institute on 27/05/2014. 22 participants are attended this Hindi Workshop.
- (iii). A one day Hindi workshop was organized by Hindi Cell of our Institute on 22/08/2014. 19 participants are attended this Hindi Workshop.
- (iv). On 09/09/2014 a Painting, Elocution & Essay Competition in Hindi on “Social Media – Boon or Bane for Education” for School Children’s in and around Chennai was invited. Around 12 Schools and 140 students are participated and the prizes for the winners awarded on (Hindi Day) the occasion of celebration held on 18/09/2014.
- (v). Hindi Pakhwada was celebrated in the Institute between 9th to 11th of September, 2014 and Hindi Day was celebrated on 18th September, 2014. Various Competitions in Hindi – Essay Writing, Copying a given paragraph in Neat Handwriting (for Group ‘D’), Hindi Anthakshari & Hindi Debate were conducted for the staff and trainees of the Institute. Prof. Dr. Nirmala S. Maurya, Head of the Department, Department of Hr. Education & Research, Dakshina Bharat Hindi Prachar Sabha, T. Nagar, Chennai-17 - was the Chief Guest of the Function.
- (vi). A one day Hindi workshop was organized by Hindi Cell of our Institute on 20/10/2014. 23 participants are attended this Hindi Workshop.
- (vii). A one day Hindi workshop was organized by Hindi Cell of our Institute on 31/03/2015. 18 participants are attended this Hindi Workshop.

14.0 INTER NITTTR SPORTS MEET

Participation in sports and culture would promote fraternity among the NITTTRs at all levels leading to development of desired team spirit and synergy required for holistic development of the NITTTR system. To achieve this aim, Inter NITTTR Sports Meet is being conducted since 2005, every year by rotation at Chandigarh, Bhopal, Kolkata and Chennai. So far we have successfully conducted eleven Sports meets.

The eleventh inter NITTTR Sports Meet – 2015 was held at NITTTR, Kolkata from 11th to 14th February 2015.

More than 95 participants and officials from various NITTTRs participated in the meet. From NITTTR, Chennai, a total of 17 participants participated in the 11th Inter NITTTR Sports Meet – 2015.



15.0 FACULTY NEWS

Most of the Faculty members of the institute have served as members of various expert committees constituted by AICTE, MHRD, ISTE, Directorates of Technical Education, Universities and Autonomous Colleges.

Training Programmes and Workshops attended:

1. Dr. V.Shanmuganeethi attended a training programme on "Cloud Computing" from 25.06.2014 to 27.06.2014. at IBM, Pune
2. Shri K.S.A. Dinesh Kumar attended one week short term training programme on "Smart Materials" from 07.07.14 to 12.07.14.at Bhuvaneshwar
3. Dr. S. Somasundaram attended one week ISTE STTP on "Recent Advances in Smart Materials" from 07.07.14 to 13.07.2014. at Trident Academy of Technology, Bhubaneswar
4. Dr. R. Ravichandran attended technical workshop on "The RTI Act 2005 – A Focused Analysis of the Law of Information & Challenge before PIO while implementing the act" from 05.08.14 to 07.08.14 at New Delhi.
5. Dr. G. Janardhanan attended one day workshop on "Liquid Limit and Beyond" on 16-08-2014 at IIT Madras.
6. Shri.M.Senthil kumar participated in one day International workshop on "Solar Resource Assessment" conducted by U.S.Department of Energy and MNRE on 12.11.2014 at National Institute of Wind Energy, Chennai.
7. Shri D.V. Suryanarayana attended a two day workshop on 'Outcome Budget' on 05.01.15 and 06.01.15 at Institute of Secretariat Training and Management, New Delhi.
8. Dr. P. Sivasankar attended CPSC In-Country Training Programme on 'Blue Ocean Strategies in TVET' from 09.02.15 to 13.02.15 at NITTTR, Chandigarh.
9. Dr. S. Dhanapal and Dr. C.R. Nagendra Rao attended NBA workshop on SAR and Accreditation System and Practices at India habitat centre, New Delhi on 24.02.2015.
10. Dr. S. Dhanapal and Dr. C.R. Nagendra Rao attended one day seminar on "Voluteer Training, Philosophy, Process and Best Practices" organized by NBA at India habitat centre, New Delhi on 25.02.2015.

Papers Presented in Conferences:

1. Senthil kumar, M. (2014, April). Transfer of technology to rural areas using renewable energy Sources. Paper presented in the National conference on Advancements and Futuristic Trends in Mechanical Engineering at Anna University, Tiruchirappalli Campus. Tamilnadu from 21.04.2014 to 22.04.2014.
2. Rathy, G. A. (2014, August). Comparative study of e content design using revised blooms taxonomy and david merills first principles of instruction. Paper presented in the International Conference on Recent Advances in Educational Technology: Implications and Findings held at Bharathidhasan University Tiruchirapalli on 23 rd and 24th August 2014
3. Senthil kumar, M. (2014, December).Renewable energy technology transfer for green environmental sustainability. Paper presented in the National Conference on Green Engineering and Technologies for Sustainable Future at Anna University, Tichirappalli Campus from 05.12.2014 to 06.12.2014.
4. Suresh E.S.M. and Shimi Lawrence. (2014, December). SMART City Planning – An Overview. Paper presented in the International Seminar on “SMART city Planning using Geographical Information System” at NITTTR-PSNA College of Engineering, Dindukul on 10.12.2014.
5. Dinesh Kumar, K. S. A. and Janardhanan, G. & Ravichandran, R. (2014, December). Slum Free City Plan – Erode Corporation. Paper Presented in the International Seminar on “SMART City Planning using Geographical Information System at PSNA College of Engineering, Dindukul on 10.12.2014.
6. Suresh, E. S. M. and Hemabala, J. (2015, March). Effectiveness of Mobile Learning using Video lessons and analyzing the Performance of Undergraduate Engineering Students. Paper presented in the International Conference on “Research Technology Engineering Science and Management” at Jawarlal Nehru University, New Delhi, on15.03.2015.

Papers published in Journals:

1. Suresh, E. S. M. and Purushothaman, P. (2014). Reflecting on Pedagogical Issues of e-dub-ba-a of Sumeria Linking to Our Present Times. Journal of Engineering, Science and Management Education, Vol.7, Issue 2 pp.136 to 141.
2. Dinesh Kumar, K. S. A. and Mohan, S. & Ramakrishnan, S. S. (2014). Assessment of Impacts on Groundwater due to Open-cast Mining. International Journal of Applied Environmental Science, Vol.7, Issue 2, pp.2827 to 2854.
3. Dinesh Kumar, K. S. A. and Mohan, S. & Ramakrishnan, S. S. (2014).Management Strategies of a Coastal Basin Through Regional groundwater Modelling.International Journal of Applied Engineering Research,Vol.10, Issue 7, pp.16637 to 16653.

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:

- 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;
- the Board of Governors and its sub-committees for their contribution to the Governance of the institute;
- the State Governments of Andhra Pradesh, 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;
- Industries and their managements for their cooperation and assistance in conducting various programmes effectively;
- the faculty and staff of the institute for their hard work and dedication in making the reporting year an eventful one;
- 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 the 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 31.03.2015)

Chairman

Prof. Dr. Allam Appa Rao

Chairman – BOG of NITTTR, Chennai
Director

CR Rao Advanced Institute of Mathematics, Statistics & Computer Science (AIMSCS),
University of Hyderabad Campus,
Central University Post office, Hyderabad -500 046, AP, India

Member-Secretary

Prof. Dr. S. Mohan

Director (till 03.11.2014)

Prof. Dr. S. Dhanapal

Director in-charge (03.11.2014 onwards)

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

MEMBERS

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

Additional Secretary (TEL)

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

Financial Adviser (HRD)

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

Five Directors of Technical
Education

1. Commissioner of Technical Education

Directorate of Technical Education
Government of Tamil Nadu
Chennai-600 025

2. Director

Directorate of Technical Education
Government of Andhra Pradesh
5th& 6th floors, B.R.K.R. Bhavan
Tank bound Road, Hyderabad – 500 063

3. **Director**
Directorate of Technical Education
Government of Kerala
Trivandrum, Kerala – 695 023

4. **Director**
Directorate of Technical Education
Government of Maharashtra
3, Mahapalika Marg,
Mumbai – 400 001
Maharashtra State

5. **Director**
Directorate of Technical Education
Government of Odisha
KillaMaidan, Buxi Bazar,
Cuttack – 753 001, Odisha State
(1 to 5 - Till 21.02.2015)

Representative of the AICTE

Dr. Avinash S Pant
Vice Chairman
All India Council for Technical Education
7th Floor, Chanderlok Building,
Janpath, New Delhi - 110 001

Representative of the University

**Vice Chancellor, Anna University,
Chennai – 600 025** (Till 21.02.2015)

Two Industrialist / Technical
Professional nominated by MHRD

1. **Shri.Karumuthu T. Kannan**
Managing Director
Thiagarajar Mills (P) Ltd
Madurai – 625 008

2. **Dr. S. S. Varaprasad**
Chairman
Anurag Group of Engineering Colleges
Venkatapur (V), Ghatkesar – 501 301
R.R. District (A.P)
(1 & 2 - Till 21.02.2015)

Faculty Representative

Dr. S. Renukadevi
Professor & Head i/c
Department of Education
NITTTR, Chennai – 600 113

FINANCE COMMITTEE

Chairman

Prof. Dr. Allam Appa Rao
Chairman – BOG of NITTTR, Chennai
Director,
CR Rao Advanced Institute of Mathematics, Statistics &
Computer Science (AIMSCS),
University of Hyderabad Campus,
Central University Post office
Hyderabad - 500 046, AP, India

Members

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

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

Commissioner of Technical Education
Directorate of Technical Education
Government of Tamil Nadu
Guindy, Chennai-600 025
(Till 21.02.2015)

Member-Secretary

Dr. S. Mohan
Director (Till 03.11.2014)

Prof. Dr. S. Dhanapal
Director in-charge (03.11.2014 onwards)
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

Nominees of University of Madras in the rank of Professor

Two subject Experts

2. BUILDINGS COMMITTEE**Chairman**

Commissioner of Technical Education
Directorate of Technical Education
Government of Tamil Nadu
Guindy, Chennai-600 025

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. S. Dhanapal
Professor and Head
Curriculum Development Centre
NITTTR, Chennai -600113

Members

Shri. A. Ayyakannu
Director
Board of Apprenticeship Training
CIT Campus, Taramani, Chennai - 113

Shri. K. Kumarappan
Assistant Registrar
I.I.T. Madras, Chennai-600025

Dr. G. Janardhanan
Associate Professor,
Department of CEM
NITTTR, Chennai – 600 113

1. ACADEMIC COUNCIL

Chairman

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

Members

All Professors / Heads of Departments

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 |
| 2. Dr. C.R. Nagendra Rao | - | Member Secretary |
| 3. Dr. S. Dhanasekaran | - | Member |
| 4. Dr. V.K. Natarajan | - | Member |
| 5. Dr. S. Renukadevi | - | Member |
| 6. Dr. T. Jagathrakshakan | - | Member |
| 7. Dr. E.S.M. Suresh | - | Member |
| 8. Dr. R. Ravichandran | - | Member |
| 9. Dr. G.A. Rathy | - | Member |
| 10. Dr. V. Shanmuganeethi | - | Member |
| 11. Dr. P. Malliga | - | Member |
| 12. Dr. G. Janardhanan | - | Member |

GRIEVANCE REDRESSAL COMMITTEE

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

Chairman

Dr. T. Jagathrakshakan
Professor & Head i/c
Centre for International Affairs (CIA)

Member

Dr. G.A. Rathy
Assistant Professor
Dept. of Electrical 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 i/c of Education	Chairperson
Dr. S. Dhanapal Director in-charge	Member
Smt. R. Vanajakumari Senior P.A. to Director	Member

PARTICULARS OF COMMITTEE MEETINGS

	No.	
Board of Governors	30 th	28.04.2014
	31 st	12.11.2014
NITTTR Chennai Society	11 th	12.11.2014
Finance Committee	29 th	28.04.2014
	30 th	12.11.2014

LIST OF FACULTY AND STAFF

DIRECTOR IN-CHARGE	Prof. Dr. S. Dhanapal, B.E., M.Sc. (Engg.) Ph.D.
Centre for Environmental Management	Dr. G. Janardhanan, M.E., Ph.D. (USA) Associate Professor
Centre for Sustainable Development	Dr. V.K. Natarajan, M.A., M.A., Ph.D., Professor & Head Dr. K.S. Giridharan, B.E., M.Tech., Ph.D. Assistant Professor
Centre for International Affairs	Dr. T. Jagathrakshakan, B.E (Hons.), M.E., Ph.D., Professor of Civil Engineering and Head i/c CIA
Civil Engineering	Dr. E.S.M. Suresh, B.E., M.E., Ph.D., Professor of Civil Engineering and Head Dr. R. Santhakumar, M.E., Ph.D. Associate Professor in Engineering Shri. K.S.A. Dinesh Kumar, M.E., Assistant Professor
Curriculum Development Centre	Dr. S. Dhanapal, B.E., M.Sc. (Engg.) Ph.D. Professor Shri. D.V. Suryanarayana, B.E., Programmer
Education	Dr. S. Renukadevi, B.Sc, MCA, M.Phil., Ph.D., Professor of Education and Head i/c Dr. S. Rajasekar, B.E. M.Tech (HRD) Ph.D. Research Assistant in Education
Educational Media Centre	Dr. P. Malliga, B.E., M.S., Ph.D. Sr. System Analyst

Educational Technology & Multimedia	Dr. V. Shanmuganeethi, M.E., Ph.D. Assistant Professor
	Shri A. P. Felix Arokiya Raj, B.Sc., M.Sc., D.F.Tech., Assistant Professor
Electrical Engineering	Dr. G.A. Rathy, M.E., PGDCA., Ph.D., Assistant Professor
Electronics Engineering	Dr. S. Dhanasekaran, B.E., M.Sc. (Engg.), Ph.D. Professor & Head
	Dr. P. Sivasankar, M.E., Ph.D. Assistant Professor
Extension Centre, Bangalore	Dr. P. Arunkumar, M.Sc., M.Ed., Ph.D. Professor & Head
	Shri. V. Sivakumar, M.E. Assistant Professor
Extension Centre, Hyderabad	Dr. C.R. Nagendra Rao, M.Tech., Ph.D., B.Tech., PGDTCA Professor & Head
	Shri. U.S. Sahu, B.E., M.Tech., Associate Professor
Extension Centre, Kalamassery	Shri. Philip Kurian, M.Sc. (Engg.,) Associate Professor & Head i/c
Mechanical Engineering	Dr. S. Somasundaram, M.E., Ph.D., Assistant Professor
	Shri. M. Senthilkumar, B.E., M.Tech., Assistant Professor
Resource Centre	Dr. R. Ravichandran, M.Sc., M.LIS., M.Ed., M.B.A., Ph.D., Sr. Librarian

HOSTEL

Warden

Prof. Dr. S. Dhanapal
Director in-charge

Deputy Warden

Dr. P. Malliga
Sr. System Analyst
Education Media Centre

Assistant Warden

Dr. V. Shanmuganeethi
Asst. Professor
Dept. of Educational Technology and Multimedia

Dr. R. Ravichandran (Guest House)
Sr. Librarian
Resource Centre

Medical Officer (Part-time)

Dr. N.B. Anand, M.D. D.M.R.D.,

Part - II

**REPORT ON ACCOUNTS
2014-15**

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

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of National Institute of Technical Teachers Training and Research, Chennai for the year ended 31 March 2015.

We have audited the attached Balance Sheet of National Institute of Technical Teachers' Training and Research, Chennai as at 31 March 2015, 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 is the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.

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

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

4 Based on our audit, we report that:

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

A Balance Sheet

Sources of Funds

Corpus/Capital Fund – Sch.1 – Rs.20.51 Crore.

Application of Funds

Fixed Assets – Sch.4 – Rs.16.79 Crore.

The total depreciation provided on fixed assets till 31.03.2014 was Rs.1,55,20,646/- and depreciation for current year (2014-15) was Rs.55,08,065/-. Instead of accounting the current year depreciation of Rs.0.55 crore alone as expenditure, the institute had accounted an amount of Rs.2.10 crore as depreciation in Income & Expenditure account including the depreciation of Rs.1.55 crore provided till last year. Thus, incorrect accounting of depreciation has resulted in overstatement of expenditure in Income & Expenditure account, understatement of fixed assets and capital fund in balance sheet to the extent of Rs.1.55 crore.

2. Application of Funds

Fixed Assets (Sch.4) - Capital work in progress – Rs.7,16,68,545/-

During the construction period, the amount spent on any fixed assets has to be accounted under capital work in progress and in the year of completion, the amount disclosed under capital work in progress has to be transferred to respective fixed asset. In the current year, the institute had deleted an amount of Rs.1,15,40,955/- from the existing capital work in progress but an amount of Rs.1,52,282/- was only transferred to the buildings account. There was no addition to any other fixed asset for the balance amount of Rs.1,13,88,673/-. The difference may be reconciled.

3. Sources of Funds

Corpus Fund – Rs. Nil.

Application of Funds

Current Assets – (Sch.7) - Cash & Bank balances - Bank balance – Rs.2.34 crore.

According to the byelaws of the institute, every year a portion of the training fee collected has been kept aside in a separate fund called 'corpus fund'. Total funds available in this fund as on 31.03.2015 was Rs.15,78,844/-. However, the same was not included in the accounts of institute and disclosed in the financial statements of NITTTR. Only a separate receipts & payments account for corpus fund was enclosed to the financial statements. This has resulted in understatement of 'corpus fund' and bank balance in the balance sheet of NITTTR to the extent of Rs.15.78 Lakh.

4. Application of Funds

Fixed Assets (Sch.4) – Intangible assets – Rs.2,976/-

Loans, Advances & Deposits (Sch.8) – Prepaid expenses – b) E-Journal subscription – Rs.4,50,615/-

During the current year an amount of Rs.6,00,820/- was paid for e-journal subscription but an amount of Rs.1,50,205/- was only accounted in fixed assets. The

balance amount of Rs.4,50,615/- was wrongly accounted as prepaid expenses. As the subscription to e-journal was considered as fixed asset, the entire expenditure has to be accounted under fixed assets. This has resulted in understatement of fixed assets and overstatement of loans and advances to the extent of Rs.4.50 Lakh.

B Income & Expenditure Account

Overseas Training Course (OTC) Account

Income – Interest on Bank – Rs.38,48,761.

Balance Sheet

Assets – Short Term Deposit Receipts (SDR) – Rs.2,80,00,000.

The institute had made short term deposits out of its OTC funds. Interest earned on deposits matured during the year was Rs.48,16,273/-. However, an amount of Rs.31,85,875/- was only accounted as interest received on SDRs during the year. This has resulted in understatement of interest income to the tune of Rs.16,30,398 in Income & Expenditure account and current assets of balance sheet.

C. General

1. Non compliance of Accounting Standard with regard to provision for Depreciation on Fixed Assets.

The institute had been providing depreciation on fixed assets in 'written down value method' till last year. For current year, the method of depreciation was changed as 'straight line method' and depreciation was provided accordingly. As per accounting standard-6, when such a change in the method of depreciation was made, depreciation has to be recalculated in accordance with the new method from the date of the asset coming into use. The deficiency or surplus arising from retrospective recomputation of depreciation in accordance with the new method has to be adjusted in the accounts in the year in which the method of depreciation was changed. However no such recomputation of depreciation was done by the institute. This has resulted in non compliance of accounting standard.

ii) The Depreciation on straight line method has to be provided on the original cost of the fixed asset. However, the net asset value of previous year was taken as cost of the asset and depreciation was provided by the institute on straight line method for current year.

2. Disclosure in financial statements was not as per the accounting policy adopted by the Institute.

i) The institute has mentioned in the 'significant accounting policies' and 'Notes on accounts' enclosed to financial statements that it has adopted 'cash basis' of accounting for preparation of financial statements. However, it was noticed that, out of total GOI grant amounting to Rs.20,48,09,000/- sanctioned for 2014-15, an amount

of Rs.15,39,42,000/- was only received by the institute till 31.03.2015. The balance grant of Rs.5,08,67,000/- was accounted as 'grants receivable' under current assets in balance sheet.

ii) Similarly, provision was created for certain outstanding expenses like salary payable, pension payable, vehicle expenses payable, etc., and disclosed under current liabilities in balance sheet.

Thus, the actual accounting of the institute with respect to the above mentioned items was not as per the accounting policy stated by the institute.

The institute should change its accounting policy by stating that it has adopted "Accrual basis" of accounting for preparation of financial statement as required under prescribed format of MHRD.

3. Correctness of Assets disclosed under NPS balance sheet could not be ensured.

An amount of Rs.14,69,721/- was disclosed as 'GPF contra' in NPS balance sheet (assets side) & NPS R&P account (payments side). No details were furnished to Audit with regard to this transaction. Hence, the correctness of the assets disclosed under NPS balance sheet could not be ensured to the extent of Rs.14.70 Lakh.

4. NPS Receipts & Payments account - Difference in closing bank balance brought forward from previous year.

The closing bank balance in NPS-R&P account for 2013-14 was Rs.45,08,549/- where as the opening bank balance in NPS-R&P account for 2014-15 was brought forward as Rs.59,78,270/-. As the reasons for difference were not explained to Audit, the correctness of NPS bank balance could not be ensured by Audit.

5. Bank reconciliation statement not furnished.

There was a difference of Rs.13,16,924/- & Rs.3,25,494/- in bank balance disclosed in financial statements and bank balance as per bank statement with respect to Overseas Training Course (OTC) account and Project account. As no Bank Reconciliation Statement was furnished for these two accounts, the correctness of bank balance disclosed in financial statements could not be ensured.

D. Effect of Revision in Accounts

Based on audit observations, the accounts of National Institute of Technical Teachers' Training and Research, Chennai were revised. As a result of revision, Assets and Liabilities were decreased by Rs. 0.39 crore and Excess of Income over Expenditure amounting to Rs.4.27 crore has become Excess of Expenditure over Income by Rs.2.35 crore.

E Grants-in-aid

Out of the Grants-in-aid of Rs.20.48 crore received for the year 2014-15 and Rs.1.53 crore being unspent balance of the previous year, the Institute could utilize only Rs.14.97 crore leaving Rs. 7.04 crore as unutilized grant as on 31st March 2015.

F Management letter

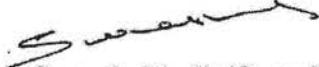
Deficiencies which have not been included in the Audit Report have been brought to the notice of National Institute of Technical Teachers' Training and Research, Chennai through a management letter issued separately for remedial / corrective action.

- 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 2015; 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 : 26 .02.2016


Director General of Audit (Central), Chennai

Annexure to Audit Report

1. Adequacy of Internal Audit System:

No internal audit system exists in the institute.

2. Adequacy of Internal Control System:

Internal control system exists but needs to be strengthened as no approved Internal Control manual available.

(i) Bank reconciliation statement was not available in respect of OTC and project Account.

(ii) No internal audit system exist.

3. System of Physical verification of Fixed Assets:

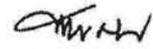
Physical verification of Fixed Assets was done for 2014-15.

4. System of Physical verification of Inventory:

Physical verification of Inventory was done for 2014-15.

5. Regularity in payment of statutory dues

Amount recovered as VAT and income tax (TDS on payments to contractors) during the year were not remitted to Government.



Director/CE.

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

**ANNUAL ACCOUNTS
2014-15**

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

BALANCE SHEET AS AT 31.03.2015

		Amount in Rs.	
SOURCES OF FUNDS		Current Year 2014-15	Previous Year 2013-14
CORPUS/CAPITAL FUND	1	205061587.33	221508138.00
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	360151.00	1150674.00
CURRENT LIABILITIES & PROVISIONS	3	96211912.00	31691036.00
TOTAL		301633650.33	254349848.00
APPLICATION OF FUNDS		Current Year	Previous Year
FIXED ASSETS	4	167902092.00	191099604.00
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	24252938.33	63250244.00
ADVANCES & DEPOSITS	8	109478620.00	
TOTAL		301633650.33	254349848.00
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	24		

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

TARAMANI, CHENNAI - 600113

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31.03.2015

		Amount in Rs.	
Particulars	Schedule	Current Year 2014-15	Previous Year 2013-14
INCOME:			
Academic Receipts	9	1273300.00	1301150.00
Grants / Subsidies	10	140346291.00	15335049.00
Income from investments	11	2493431.00	3069640.00
Interest earned	12	42507.00	21136.00
Other Income	13	5881431.33	17130914.00
Increase/Decrease in Stock WIP			65955.00
Prior Period Income	14	0.00	0.00
TOTAL (A)		150036960.33	36923844.00
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	15	116182235.00	123919943.00
Academic Expenses	16	0.00	0.00
Administrative and General Expenses	17	9647433.00	14526757.00
Transportation Expenses	18	214115.00	260581.00
Repairs & Maintenance	19	2310330.00	2246351.00
Finance costs	20	0.00	33541.00
Depreciation	4	21028711.00	18621812.00
Other Expenses	21	0.00	14209074.00
Prior Period Expenses	22	0.00	0.00
Plan General Expenses	23	24164056.00	0.00
TOTAL (B)		173546880.00	173818059.00
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		-23509919.67	-136894215.00

Significant Accounting Policies 23

Contingent Liabilities and Notes to Accounts 24

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

SCHEDULE -1 CORPUS/CAPITAL FUND

Particulars	Amount in Rs.	
	Current Year 2014-15	Previous Year 2013-14
Balance at the beginning of the year	221508138.00	221196005.00
Add: Contributions towards Corpus/Capital Fund		
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	9372154.00	7837267.00
Add: Assets Purchased out of Earmarked Funds		
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution		644000.00
Add: Assets Donated/Gifts Received		
Total	230880292.00	
Less: Omission on Opening Plan General Income Receivable W/off	-239945.00 -2193640.00	
Corpus Fund 10 & 20% Plan Grant Revenue Expenditure	124800.00	469500.00 814756.00
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	-23509919.67	-9453390.00
Total	205061587.33	221508138.00
(Deduct) Deficit transferred from the Income & expenditure Account		
Balance at the year end		

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

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

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

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

SCHEDULE 2A
ENDOWMENT FUNDS

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

1.Sl.No	2. Name of the Endowment	Amount in Rupees										
		Opening Balance		Additions during the Year			Total		Expenditure on the object during the year		Closing Balance	
		3	4	5	6	7	8	9	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.

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

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

	Amount in Rupees	
	Current Year 2014-15	Previous Year 2013-14
A. CURRENT LIABILITIES		
1. Deposits from Staff		
Caution Deposit for staff Quarters	20,000.00	20,000.00
Staff Quarters	39,400.00	37,535.00
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	255,356.00	35,850.00
4. Deposit- Others (including EMD, Security Deposit)		
AICTE UKIERI Work shop	39,787.00	
Earnest Money Deposit	1,336,754.00	565,316.00
Community Hall Deposit	29,565.00	29,565.00
Caution Deposit for Canteen	6,000.00	6,000.00
Security Deposit	511,684.00	679,684.00
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	171,695.00	66,605.00

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

	Current Year 2014-15	Previous Year 2013-14
6. Other Current Liabilities		
a) Salaries		
b) Receipts against Sponsored Projects	7,235,005.00	
OTC	8,214,248.00	8,214,248.00
Project Account 2013-14		
c) Receipts against sponsored fellowships & Scholarships		
d) Unutilised Grants	70,425,604.00	14,304,581.00
e) Grants in advance		
f) Other funds : Corpus Fund	104,000.00	104,000.00
g) Other Liabilities		
Total (A)	89,079,926.00	24,754,212.00
B. PROVISIONS		
1. For Taxation		
2. Gratuity		
3. Superannuation Pension		
4. Accumulated Leave Encashment		
5. Trade Warranties /Claims		
6. Outstanding Expenses:		
Staff Salary	4,995,081.00	4,906,899.00
Pension Payments	1,963,778.00	1,962,701.00
Vehicle Maintenance	3,570.00	4,959.00
Electrical Maintenance	5,657.00	5,975.00
Audit Fees Payable	163,900.00	56,290.00
Total (B)	7,131,986.00	6,936,824.00
Total (A+B)	96,211,912.00	31,691,036.00

Note: Unutilized grants 6 (d) will include grants received in advance for next year.

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TARAMANI, CHENNAI - 600113**

SCHEDULE 3 (b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

1. Sl No	2. Name of Sponsor	Opening Balance As On 01.04.2014		Transactions During the year		Closing Balance As On 31.03.2015.	
		3 CR.	4 DR.	5 CR.	6 DR.	7 CR.	8 DR.
1	University Grants Commission						
2	Ministry						
3	Others (Specify individually)						
	Total						

Note:

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

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

		Amount in Rupees	
		Current Year 2014-15	Previous Year 2013-14
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)			

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

	Current Year 2014-15	Previous Year 2013-14
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

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TARAMANI, CHENNAI - 600113

SCHEDULE 4 FIXED ASSETS

Plan:

Amount in Rupees

S.No	Assets Heads	Gross Block			Depreciation for the Year 2014-15			Net Block			
		Op Balance 01.04.2014	Additions	Deductions	Closing Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	31.03.2015	31.03.2015	
1	Land :Free Hold	268500			268500				0	268500	268500
2	Site Development				0				0	0	0
3	Buildings	74508807	1932765		76441572	8250396	1528831		9779227	66662345	74508807
4	Roads & Bridges				0				0	0	0
5	Tubewells & Water Supply				0				0	0	0
6	Sewerage & Drainage				0				0	0	0
7	Electrical Installation and equipment	128798			128798	22729	6440		29169	99629	128798
8	Plant & Machinery	15299692			15299692	2699946	764985		3464931	11834761	15299692
9	Scientific & Laboratory Equipment				0				0	0	0
10	Office Equipment	2999280	942584		3941864	298170	273140		571310	3370554	2999280
11	Audio Visual Equipment				0				0	0	0
12	Computers & Peripherals	4692698	4823413		9516111	2065152	1903222		3968374	5547737	4692698
13	Furniture, Fixtures & Fittings	4081362	1523187		5604549	451152	420341		871493	4733056	4081362
14	Vehicles	402060			402060	70952	40206		111158	290902	402060
15	Lib. Books & Scientific Journals	2942533			2942533	519271	294253		813524	2129009	2942533
16	Smart Classroom	500268			500268	500268			500268	0	500268
17	Small Value Assets	1725538			1725538	302045	129415		431460	1294078	1725538
18	Class Room Construction WIP	83209500			71668545				0	71668545	83209500
	Total (A)	190759036	9221949	11540955	188440030	15180081	5360833		20540914	167899116	190759036
17	Capital Work in Progress (B)										
S.No.	Intangible Assets	Op Balance 01.04.2014	Additions	Deductions	C/ Balance	Dep Opening Balance	Amortization for the Year	Deductions / Adjustments	Total Depreciation	31.03.2015	31.03.2014
18	Computer Software	340568	150205		490773	340565	147232		-	2976	340568
19	E-Journals										
20	Patents										
	Total (C)	340568	150205		490773	340565	147232		487,797	2976	340568
	Grand Total (A+B+C)	191099604	9372154	11540955	188930803	15520646	5508065	0	21028711	167902092	191099604

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.

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TARAMANI, CHENNAI - 600113

SCHEDULE 4A PLAN

S.No	Assets Heads	Gross Block				Depreciation for the Year 2014-15			Net Block		
		Op Balance 01.04. 2015	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciati on for the Year	Deductions /Adjustment	Total Depreciati on	31.03.2015	31.03.2015
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation and equipment .										
8	Plant & Machinery										
9	Scientific & Laboratory Equipment										
10	Office Equipment										
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
Total (A)											
17	Capital Work: in Progress (B)										
S.No	Intangible Assets	Op Balance 01.04.2014	Additions	Deductions	CI Balance	Dep Opening Balance	Amortizati on for the Year	Deductions/ Adjustments	Total Amortizati on /Adjustme nts	31.03.2015	31.03.2015
18	Computer Software										
19	E-Journals										
20	Patents										
Total (C)											
Grand Total (A+B*C)											

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

SCHEDULE 4B NON - PLAN

Amount in Rupees

S.No	Assets Heads	Gross Block		Depreciation for the Year 2014-15				Net Block			
		Op Balance 01.04. 2014	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciati on for the Year	Deductions / Adjustment	Total Depreciation	31.03.2015	31.03.2015
1	Land										
2	Site Development										
3	Buildings										
4	Roads & Bridges										
5	Tubewells & Water Supply										
6	Sewerage & Drainage										
7	Electrical Installation & equipment										
8	Plant & Machinery										
9	Scientific & Laboratory Equipment										
10	Office Equipment						Nil				
11	Audio Visual Equipment										
12	Computers & Peripherals										
13	Furniture, Fixtures & Fittings										
14	Vehicles										
15	Lib. Books & Scientific Journals										
16	Small Value Assets										
Total (A)											
17	Capital Work in Progress (B)										
S.No	Intangible Assets	Op Balance 01.04. 2014	Additions	Deductions	CI Balance	Dep Opening Balance	Amortizati on for the Year	Deductions / Adjustments	Total Amortization /Adjustments	31.03.2015	31.03.2015
18	Computer Software										
19	E-Journals										
20	Patents										
Total (C)											
Grand Total (A+B+C)											

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

SCHEDULE 4 C- INTANGIBLE ASSETS

Sl. No.	Asset Heads	Gross Block				Depreciation Block				Net Block	
		Op. Balance 01.04.2014	Additions	Deductions	Cl. Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03.2015	31.03.2015
1	Patents & Copyrights					Nil					
2	Computer Software										
3	E - Journals										

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

SCHEDULE 4(C) (i) PATENTS AND COPYRIGHTS

Amounts in Rupees.

Particulars	Op. Balance	Addition	Gross	Amortization	Net Block 2014-15	Net Block 2013- 14
A. Patents Granted 1 Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs..../-) 2 Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value-Rs..../-) 3 Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs..../-) 4 Patents granted during the Current Year			Nil			
Total						

Particulars	Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2013-14	* Net Block 2012 13
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.

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TARAMANI, CHENNAI - 600113

SCHEDULE 4D OTHERS

S.No	Assets Heads	Gross Block				Depreciation for the Year			Amount in Rupees		
		Op Balance 01.04.2014	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.15	31.03.2014
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	

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SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

Amount in Rupees

	Current Year 2014-15	Previous Year 2013-14
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		

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
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SCHEDULE 5 (A) INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE)

Sl. No.	Funds	Amount in Rupees	
		Current Year 2014-15	Previous Year 2013-14
1			
2			
3			
4			
5			
	Endowment Fund Investments		
	Total		

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

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SCHEDULE 6 - INVESTMENTS - OTHERS

	Amount in Rupees	
	Current Year 2014-15	Previous Year 2013-14
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		

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SCHEDULE 7 - CURRENT ASSETS

		Amount in Rupees	
		Current Year 2014-15	Previous Year 2013-14
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		14,500.00	41,650.00
g) Stationery			
h) Water supply material			
i) Postage		18,939.00	17,929.00
2. Sundry Debtors:			
a) Debts Outstanding for a period exceeding six months			
b) Others			
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)		123,600.00	112,600.00
In Cash Balance (Temp Advance)		709,752.00	321,500.00
In Bank Balance		23,352,935.33	56,852,370.00
In Bank Balance Rajiv Gandhi National Fellowship		4,100.00	4,100.00
In Bank Balance Athletic		22,736.00	22,736.00
b) With non-Scheduled Banks:			
- In term deposit Accounts			
- In Savings Accounts			
4. Post Office- Savings Accounts			
TOTAL		24,252,938.33	57,379,261.00

Note: Annexure A shows the details of Bank Accounts

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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	

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SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

		Amount in Rupees	
		Current Year 2014-15	Previous Year 2013-14
1. Advances to employees: (Non-interest bearing)			
a) Salary			
b) Festival		242,749.00	204,574.00
c) Medical Advance		14,533.00	
d) Other (to be specified)			
Computer Advance		828,800.00	785,200.00
Conveyance Advance		606,090.00	718,459.00
Flood Loan Advance		3,800.00	3,800.00
Persons with Disabilities		13,893.00	13,893.00
2. Long Term Advances to employees: (Interest bearing)			
a) Vehicle loan			
b) Home loan		266,593.00	390,465.00
c) Others (to be specified)			
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) Others		53,258.00	

	Amount in Rupees
4. Prepaid Expenses	
a) Insurance	46,607.00
b) E Journal Subscription	51,856.00
c) AMC Lab and Office Equipment	450,615.00
	186,913.00
5. Deposits	
a) Telephone	108,893.00
b) Lease Rent	
c) Electricity	
d) AICTE, if applicable	
e) Others (to be specified)	
Security Deposit with Industry	275.00
Security Deposit with MES	411,969.00
EC Security Deposit	2,551.00
ECH Deposit	1,000.00
Deposit with SE PWD	152.00
Deposit Vehicle Maintenance	20,000.00
Deposit with CPWD	54,388,673.00
Deposit with Indian Oil Corporation	500.00
Deposit with Post Office	100.00
Deposit with Fuel Firm	15,000.00
Deposit with Court	936,688.00
MLNN Deposit	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 HBA Accrued	239,822.00

	Amount in Rupees
7. Other - Current assets receivable from UGC/sponsored projects	
a) Debit balances in Sponsored Projects	
b) Debit balances in Sponsored Fellowships & Scholarships	
AICTE Summer School	131,303.00
AICTE Winter School	522,332.00
Board of Apprentices Training	1,968.00
AICTE induction Training Programme	146,686.00
c) Grants Receivable	50,867,000.00
d) Other receivables from UGC	
8. Claims Receivable	
Consultancy Charges Receivable	1,153,497.00
TOTAL	109,478,620.00

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.

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SCHEDULE 9 - ACADEMIC RECEIPTS

		Amount in Rupees	
FEES FROM STUDENTS	Current Year 2014-15	Previous Year 2013-14	
Academic			
1. Tuition fee Ph D	680,000.00	920,000.00	
Tuition fee M. Tech	425,400.00	120,000.00	
2. Admission fee Ph D	2,000.00		
Admission fee M.Tech	79,000.00	52,000.00	
3. Enrolment fee/Course Fees	24,100.00	25,250.00	
4. Library Admission fee			
5. Laboratory fee			
6. Art& Craft fee			
7. Registration fee			
8. Syllabus fee			
Total (A)	1,210,500.00	1,117,250.00	
Examinations			
1. Admission test fee	10,250.00		
2. Annual Examination fee			
3. Mark sheet, certificate fee			
4. Entrance examination fee			
Total (B)	10,250.00	-	

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Other Fees			
1. Identity card fee			
2. Fine/ Miscellaneous fee			
3. Medical fee			
4. Transportation fee			
5. Hostel fee			
Total (C)			
Sale of Publications			
1. Sale of Admission forms			
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		52,550.00	183,900.00
Total (E)		52,550.00	183,900.00
GRAND TOTAL (A+B+C+D+E)		1,273,300.00	1,301,150.00

Note:

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

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

Particulars	PLAN GOI			Total Plan	NON PLAN			Total Non Plan	Current Year Total 2014-15	Previous Year Total 2013-14
	GOI		UGC		NON PLAN		GOI			
	UGC	Plan Capital			Plan General	Non Plan Salary				
Balance B/F		790,523.00	239,945.00	1,030,468.00		5,420,616.00	8,883,965.00	14,304,581.00	15,335,049.00	25,268,619.00
Add: Receipts during the year		57,299,000.00	28,310,000.00	85,609,000.00		77,705,000.00	41,495,000.00	119,200,000.00	204,809,000.00	145,339,000.00
Total		66,089,523.00	28,549,945.00	86,639,468.00		83,125,616.00	50,378,965.00	133,504,581.00	220,144,049.00	170,607,619.00
Less: Refund to UGC										
Balance		68,089,523.00	28,549,945.00	86,639,468.00		83,125,616.00	50,378,965.00	133,504,581.00	220,144,049.00	170,607,619.00
Less: Utilised for Capital expenditure (A)		9,372,154.00		9,372,154.00				-	9,372,154.00	42,837,267.00
Balance		48,717,369.00	28,549,945.00	77,267,314.00		83,125,616.00	50,378,965.00	133,504,581.00	210,771,895.00	127,770,352.00
Less: utilized for Revenue Expenditure (B)			24,164,056.00	24,164,056.00		67,430,645.00	48,751,590.00	116,182,235.00	140,346,291.00	112,435,303.00
Balance C/F (C)		48,717,369.00	4,385,889.00	53,103,258.00		15,694,971.00	1,627,375.00	17,322,346.00	70,425,604.00	15,335,049.00

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

(II) Represented by Bank balances, investments and Advances on the assets side.

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SCHEDULE 11 - INCOME FROM INVESTMENTS

Particulars	Amount in Rupees			
	Earmarked / Endowment Funds		Other Investments	
	Current Year 2014-15	Previous Year 2013-14	Current Year 2014-15	Previous Year 2013-14
1. Interest				
a. On Government Securities				
b. Other Bonds/Debentures				
2. Interest on Term Deposits/SFD			2,493,431.00	3,068,597.00
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees				
4. Interest on Savings Bank Accounts				
5. Others:				1,043.00
Total			2,493,431.00	3,069,640.00
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.

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SCHEDULE 12:- INTEREST EARNED

Particulars	Amount in Rupees	
	Current Year 2014-15	Previous Year 2013-14
1. On Savings Accounts with scheduled banks		
2 On Loans		
a. Employees/Staff		
b. Others : i) Interest on Conveyance Advance	40,207.00	21,136.00
ii) Interest on Computer Advance	2,300.00	
3. On Debtors and Other Receivables		
Total	42,507.00	21,136.00

Note:

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

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SCHEDULE 13- OTHER INCOME

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

	Amount in Rupees	
	Current Year 2014-15	Previous Year 2013-14
A. Income from Land & Buildings		
1. Hostel Room Rent	284,730.00	109,987.00
2. License fee	100,626.00	124,964.00
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4. Electricity charges recovered		
5. Water charges recovered		
6. Tender Fees	7,805.00	9,895.00
7. Staff Quarters Rent	904,946.00	1,037,987.00
8. Guest House Room Rent	3,619,110.00	2,425,448.00
9. Rent for Institute Premises	555,366.00	20,000.00
Total	5,472,583.00	3,728,281.00
B. Sale of institute's publications		
1. Sale of Books and CD's	20,852.00	8,550.00
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	20,324.00	796,046.00
OTC Income		11,829,388.00
IDDS	106,555.00	363,900.00
Misc Revenue Receipts	22,135.00	119,416.00
Total	5,642,449.00	16,845,581.00

	Current Year 2014-15	Previous Year 2013-14
D. Others		
1. Income from consultancy		
2. RTI fees	180.00	
3. Income from Royalty	170,713.33	174,833.00
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		
b) Assets received free of cost		
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations		
8. Others (specify)		
6th PCP Pay Recovery Salary	68,089.00	110,500.00
Total	238,982.33	285,333.00
Grand Total (A+B+C+D)	5,881,431.33	17,130,914.00

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SCHEDULE 14 - PRIOR PERIOD INCOME

Particulars	Amount in Rupees	
	Current Year 2014-15	Previous Year 2013-14
1. Academic Receipts		
2. Income from Investments		
3. Interest earned		
4. Other Income		
Total	-	-

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SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

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

	Amount in Rupees					
	Current Year 2014-15			Previous Year 2013-14		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Salaries and Wages	-	67,430,645.00	67,430,645.00		64,906,740.00	64,906,740.00
b) Allowances and Bonus(Adhoc Bonus)		214,147.00	214,147.00		227,388.00	227,388.00
c) Contribution to Provident Fund			-			-
d) Contribution to Other Fund (specify)			-			-
e) Staff Welfare Expenses			-			-
f) Retirement and Terminal Benefits			-			-
g) LTC facility		535,901.00	535,901.00		88,130.00	88,130.00
h) Medical facility/Reimbursement		2,654,455.00	2,654,455.00		1,732,178.00	1,732,178.00
i) Children Education Allowance		986,907.00	986,907.00			783,680.00
j) Others			-		28,175,874.00	28,175,874.00
1) Others: Professional Development Allowance		376,114.00	376,114.00		613,759.00	613,759.00
TOTAL		72,198,169.00	72,198,169.00		95,744,069.00	96,527,749.00

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

		Amount in Rupees				
		Pension	Gratuity	Leave Encashment	Total	
Opening Balance as on 01.04.2014						
Addition: Capitalized value of Contributions Received from other Organizations						
Total (a)						
Less: Actual Payment during the Year (b)		29,218,493.00	3,741,775.00	3,803,920.00	36,764,188.00	
Balance Available on 31.03 c (a-b)					-	
Provision required on 31.03 as per Actuarial Valuation (d)					-	
A. Provision to be made in the Current year (d - c)					-	
B. Contribution to New Pension Scheme		5,622,399.00			5,622,399.00	
C. Medical Reimbursement to Retired Employees					-	
D. Travel to Hometown on Retirement					-	
E. Deposit Linked Insurance Payment					-	
F. Commutation of Pension		1,597,479.00			1,597,479.00	
Total (A+B+C+D+E)		36,438,371.00	3,741,775.00	3,803,920.00	43,984,066.00	

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.

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SCHEDULE 16 - ACADEMIC EXPENSES

	Amount in Rupees					
	Current Year 2014-15			Previous Year 2013-14		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory expenses						
b) Field work/Participation in Conferences						
c) Expenses on Seminars/Workshops						
d) Payment to visiting faculty						
e) Examination						
f) Student Welfare expenses						
g) Admission expenses						
h) Convocation expenses						
i) Publications						
j) Stipend/means-cum-merit scholarship						
k) Subscription Expenses						
l) Others (specify)						
TOTAL		-	-		-	-

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SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

	Current Year 2014-15			Previous Year 2013-14		
	Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure						
a) Electricity and power		2,808,188.00	2,808,188.00		2,959,664.00	2,959,664.00
b) Water charges		714,033.00	714,033.00		1,167,749.00	1,167,749.00
c) Insurance			-			-
d) Rent, Rates and Taxes (including property tax)			-			-
Property Tax		65,191.00	65,191.00		130,382.00	130,382.00
Service Tax			-		640,186.00	640,186.00
Water Tax		54,416.00	54,416.00		130,382.00	130,382.00
B Communication						
e) Postage and Stationery		63,414.00	63,414.00		84,277.00	84,277.00
f) Telephone, Fax and Internet Charges		349,665.00	349,665.00		309,305.00	309,305.00
C Others						
g) Printing and Stationery (consumption)			-			-
h) Travelling and Conveyance Expenses		215,116.00	215,116.00		439,301.00	439,301.00
i) Hospitality			-			-
j) Auditors Remuneration		256,600.00	256,600.00		136,310.00	136,310.00
k) Professional Charges : Legal Charges		1,690,900.00	1,690,900.00		2,219,900.00	2,219,900.00
l) Advertisement and Publicity		438,799.00	438,799.00		425,537.00	425,537.00
m) Magazines & Journals			-			-
n) Others :			-			-
Contingencies		695,852.00	695,852.00		553,632.00	553,632.00
Security Charges		2,295,259.00	2,295,259.00		1,448,926.00	1,448,926.00
Misc Expenditure			-		1,340,733.00	1,340,733.00
TOTAL		9,647,433.00	9,647,433.00		11,986,284.00	11,986,284.00

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SCHEDULE 18- TRANSPORTATION EXPENSES

Particulars	Amount in Rupees					
	Current Year 2014-15			Previous Year 2014-15		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)			-			-
a) Running expenses			-			-
b) Repairs & maintenance		208,866.00	208,866.00		223,859.00	223,859.00
c) Insurance expenses		5,249.00	5,249.00		36,722.00	36,722.00
2 Vehicles taken on rent/lease			-			-
a) Rent/lease expenses			-			-
3 Vehicle (Taxi) hiring expenses			-			-
Total		214,115.00	214,115.00		260,581.00	260,581.00

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SCHEDULE 19 - REPAIRS & MAINTENANCE

Particulars	Amount in Rupees					
	Current Year 2014-15		Previous Year 2013-14			
	Plan	Non Plan	Plan	Non Plan	Total	Total
a) Buildings						-
b) Furniture & Fixtures						-
c) Plant & Machinery						-
d) Office Equipment						-
e) Computers						-
f) Laboratory & Scientific equipment						-
g) Audio Visual equipment						-
h) Cleaning Material & Services		1,434,376.00		293,668.00	293,668.00	293,668.00
i) Book binding charges						-
j) Gardening						-
k) Estate Maintenance						-
l) Others : Guest House Expenditure		332,808.00		308,070.00	308,070.00	308,070.00
m) Electrical Maintenance		27,150.00		1,311,690.00	1,311,690.00	1,311,690.00
n) Hostel Expenditure		515,996.00		332,923.00	332,923.00	332,923.00
TOTAL		2,310,330.00		2,310,330.00	2,246,351.00	2,246,351.00

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SCHEDULE 20 - FINANCE COSTS

Particulars	Amount in Rupees					
	Current Year 2014-15			Previous Year 2013-14		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Bank charges						
b) Others: Interest on Service Tax			-		33,541.00	33,541.00
Total					33,541.00	33,541.00

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.

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SCHEDULE 21 - OTHER EXPENSES

Particulars	Amount in Rupees					
	Current Year 2014-15			Previous Year 2013-14		
	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.

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SCHEDULE 22: PRIOR PERIOD EXPENSES

Particulars	Amount in Rupees					
	Current Year 2014-15			Previous Year 2013-14		
	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	-	-	-	-	-	-

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Sch. No	Current Year 2014-15	Previous Year 2013-14
23		
Plan General Expenditure:		
Staff Development Programme	8138287.00	7333577.00
Stipend to Apprenticeship Trainees	39203.00	40177.00
Stipend to Long Term Trainees		
Building Maintenance (Plan)	11623975.00	4421416.00
Development Expenses	1257914.00	1425662.00
Development Expenses (Hindi Sahalkar)		
GSI Mapping Tools		
Membership Fees for Teaching Faculty	2625.00	
Furniture Maintenance	109347.00	78407.00
Periodicals	301609.00	371993.00
Printing & Stationery	955275.00	1356738.00
Maintenance of Lab / Office Equipments	45000.00	213000.00
Research Fellowship		
Community Polytechnics		
Contingent Grant to Trainees		
TA & DA National Conferences		
Remuneration to Guest Lecturers	213500.00	158750.00
Review Committee Meeting		
Consumables for Lab		5296.00
National Seminar		
National Symposium		
WIDDS	109750.00	426090.00
Course Fees Receivable		
VNITTTR Edusat	109551.00	184328.00
Web Charges	124800.00	526175.00
IDDS	166131.00	149625.00
Inter Sports Meet	967089.00	
Workshop on NMEICT		
TOTAL	24164056.00	16691234.00

Schedule 24 : Significant Accounting Policies

1. The financial statements of this 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 NITTTTR, OTC, Projects, General Provident Fund and NPS separately.

Balance Sheet

Income and expenditure Accounts

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 2015-16 onwards.
6. The value of land is not known as the State Government has not assigned the land to the Institute.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH

Taramani, P.O., 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) (iii ab) 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 2015 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 2014-15 – NON – PLAN (SALARY)**

FINAL

Sl. No	Lr.No. and Date	Amount Rs.	Certified that out of Rs.7,77,05,000/- of Grant in-aid sanctioned during the year 2014-15 in favour of Director, NITTTR, Chennai under this Ministry /Department Letter No. given in the margin and Rs.54,20,616/- on account of unspent balance of the previous year, a sum of Rs.6,74,30,645/- has been utilized for the purpose of meeting the Non- Plan (Salary) expenditure for which it was sanctioned and that the balance of Rs.1,56,94,971/- remaining unutilized Non-Plan (Salary) Grant will be adjusted towards the Grant-in-aid payable during the next year 2015-16.
1	Lr.No.6-6/2014 TS.IV,dt:10.06.2013	1,78,20,000	
2	Lr.No 6-6/2014 TS.IV,dt 08.09.2014	1,78,20,000	
3	Lr.No.6-6/2014 TS.IV,dt:03.11.2014	1,78,20,000	
4	Lr.No.6-6/2014 TS.IV,dt:20.03.2014	2,42,45,000	
	Total	7,77,05,000	

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 2014-15 – NON – PLAN (GENERAL)**

FINAL

Sl. No	Lr.No. and Date	Amount Rs.	Certified that out of Rs.4,14,95,000/- of Grant in-aid sanctioned during the year 2014-15 in favour of Director, NITTTR, Chennai under this Ministry /Department Letter No. given in the margin and Rs.88,83,965/- on account of unspent balance of the previous year, a sum of Rs.4,87,51,590/- has been utilized for the purpose of meeting the Non- Plan (General) expenditure for which it was sanctioned and that the balance of Rs.16,27,375/- remaining unutilized Non-Plan (General) Grant will be adjusted towards the Grant-in-aid payable during the next year 2015-16
1	Lr.No.6-6/2014 TS.IV,dt:10.06.2013	1,20,93,000	
2	Lr.No 6-6/2014 TS.IV,dt 08.09.2014	1,20,93,000	
3	Lr.No.6-6/2014 TS.IV,dt:03.11.2014	1,20,93,000	
4	Lr.No.6-6/2014 TS.IV,dt:18.03.2014	52,16,000	
	Total	4,14,95,000	

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 2014-15
PLAN GENERAL (RECURRING)**

FINAL

Sl. No	Lr.No. and Date	Amount Rs.	
1	Lr.No.6-7/2014 TS.IV, dt: 20.06.2012 (General) Rs.54,84,000 (SC) Rs.10,61,000 (ST) Rs. 5,31,000	70,76,000	Certified that out of Rs.2,83,10,000/- of Grant-in-aid sanctioned during the year 2014-15 in favour of Director, NITTTR, Chennai under this Ministry/ Department Letter No. given in the margin and Rs.2,39,945/- on account of unspent balance of the previous year, a sum of Rs.2,41,64,056/- has been utilized for the purpose of meeting the Plan (General) expenditure for which it was sanctioned and that the balance of Rs.43,85,889/- remaining unutilized Plan (General) Grant will be adjusted towards the Grant-in-aid payable during the next year 2015-16.
2	Lr.No.6-7/2014 TS.IV, dt: 10.09.2014 (General) Rs.54,84,000 (SC) Rs.10,61,000 (ST) Rs. 5,31,000	70,76,000	
3	Lr.No.6-7/2014 TS.IV, dt: 10.12.2014 (General) Rs.54,84,000 (SC) Rs.10,61,000 (ST) Rs. 5,31,000	70,76,000	
4	Lr.No.6-7/2014 TS.IV, dt: 18.03.2015 (General) Rs.54,84,000 (SC) Rs.10,64,000 (ST) Rs. 5,38,000	70,82,000	
	Total	2,83,10,000	

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 2014-15
PLAN CAPITAL ASSETS (NON-RECURRING)
FINAL

Sl. No	Lr.No. and Date	Amount Rs.	
1	Lr.No.6-7/2014 TS.IV, dt: 20.06.2014 (General) Rs.1,10,99,000 (SC) Rs. 21,49,000 (ST) Rs. 10,77,000	1,43,25,000	Certified that out of Rs.5,72,99,000/- of Grant-in-aid sanctioned during the year 2014-15 in favour of Director, NITTTR, Chennai under this Ministry / Department Letter No. given in the margin and Rs.7,90,523/- on account of unspent balance of the previous year, and a sum of *Rs.5,23,72,154/- has been utilized for the purpose of meeting the Plan (Capital Assets) expenditure for which it was sanctioned and that the balance of Rs.57,17,369/- remaining unutilized Plan Grant (Capital Assets) will be adjusted towards the Grant-in-aid payable during the next year 2015-16.
2	Lr.No.6-7/2014 TS.IV,dt:10.09.2014 (General) Rs. 1,10,99,000 (SC) Rs. 21,49,000 (ST) Rs. 10,77,000	1,43,25,000	
3	Lr.No.6-7/2014 TS.IV,dt:10.09.2014 (General) Rs. 1,10,99,000 (SC) Rs. 21,49,000 (ST) Rs. 10,77,000	1,43,25,000	
4	Lr.No.6-7/2014 TS.IV,dt:18.03.2015 (General) Rs. 1,10,94,000 (SC) Rs. 21,42,000 (ST) Rs. 10,88,000	1,43,24,000	
	Total	5,72,99,000	

*Capital Expenditure - Rs. 93,72,154/-
Deposit to CPWD for construction of Classroom Complex - Rs.4,30,00,000/-

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**

RECEIPTS AND PAYMENTS ACCOUNT

FORM OF FINANCIAL STATEMENTS (CENTRAL HIGHER EDUCATIONAL INSTITUTIONS)
NAME OF ENTITY NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, TARAMANI, CHENNAI 600 113.

RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD/YEAR ENDED 31.03.2015

RECEIPTS	Amount in Rupees		
	Current Year 2014-15	Previous Year 2013-14	Current Year 2014-15
I. Opening Balances			
a) Cash Balances	434,100.00	405,100.00	109,268,058.00
b) Bank Balance			
i) In Current Accounts			
ii) In Deposit Accounts			
iii) Savings Accounts	56,879,206.00	69,139,906.00	11,984,219.00
II. Grants Received			
a) From Government of India			
b) From State Government			
for Revenue Expenditure	96,643,000.00	75,941,183.00	
for Capital Expenditure	57,299,000.00	30,739,000.00	
c) From other sources (details)			
(Grants for capital & revenue exp/ to be shown separately if available)			
III. Academic Receipts			
IV. Receipts against Earmarked/Endowment Funds i			
V. Receipts against Sponsored j Projects/Schemes	6,897,106.00	4,533,613.00	
VI. Receipts against sponsored Fellowships and Scholarships			
VII. Income on Investments from			
a) Earmarked/Endowment funds			
b) Other investments	2,493,431.00	174,833.24	9,678,945.00
			24,217,711.00
			8,481,267.00
			8,892,224.00

		Amount in Rupees				
	RECEIPTS	Current Year 2014- 15	Previous Year 2013-14	PAYMENTS	Current Year 2014- 15	Previous Year 2013- 14
VIII.	Interest received on			VIII. Other Payments including statutory payments		
	a) Bank Deposits			Outstanding Expenses	6,880,534.00	6,713,090.00
	b) Loans and Advances		1,728,811.00			
	c) Savings Bank Accounts	42,507.00				
IX.	Investments encashed			IX. Refunds of Grants		
X.	Term Deposits with Scheduled Banks encashed			X. Deposits and Advances	53,258.00	46,654,265.00
				Deposits with CPWD	43,000,000.00	
				Deposits Refundable		118,566.00
XI.	Other income (including Prior Period Income)			XI. Other Payments/Liabilities		77,191,318.41
	i) Duties and Taxes	105,090.00	494,001.00	ij) Sundry Creditors		33,774,866.20
				ij) Duties and Taxes		6,640,877.00
XII.	Deposits and Advances	785,023.00	7,679,948.00	XII. Closing balances		
	i) Other Liabilities	7,235,005.00	88,373,347.00	a) Cash in hand	833,352.00	434,100.00
	ii) Sundry Creditors	224,755.00	31,524.00	b) Bank balances		
				In Current Accounts		
				In Savings Accounts	23,379,771.33	56,852,370.00
				In Deposit Accounts		
XIII.	Miscellaneous Receipts including Statutory Receipts					
XIV.	Any Other Receipts	257,625.00	364,365.00			
	TOTAL	229,295,848.00	321,344,631.24	TOTAL	229,295,848.33	321,344,631.24

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

GPF AND NPS ACCOUNTS

		Amount in Rupees	
		2014-15	2014-15
	Liabilities		Assets
	<u>University Contribution (CPF)</u>		
	Opening Balance		
	Less: Contribution for March 14		
	Add: Subscriptions in the year		
	Add: Contribution for March 15		
	Add: Interest Credited		
	Less: Advance/withdrawal		
	Closing Balance		
	<u>NFS Tier-II Account</u>		
	Opening Balance		
	Less: Sub. for March 14		
	Add: Subscriptions in the year		
	Add: Sub for March 15		
	Add: Interest Credited		
	Less: Advance/withdrawal		
	Closing Balance		
	<u>Interest Reserve</u>		
	Opening Balance	4,230,534.50	
	Add: Excess of Income over Expenditure	917,064.00	
	Closing Balance	5,147,598.50	
	Total	36,909,151.71	36,909,151.71

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

PROVIDENT FUND ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31/03/15

		Amount		Amount in Rupees	
		Expenditure	31-Mar-15	Income	31-Mar-15
	Interest Credited to:				
	GPF Account		1,869,316.00	Interest earned on Investment	2,786,380.00
	CPF Account			Add: Interest accrued on 03/15	
	University Contribution (CPF)			Add: Tax recovered on interest - Refund to be obtained	
	NPSTier-II Account			Less Interest accrued for March 14	
	Excess of Income over Expenditure		917,064.00	Excess of Expenditure over Income	
	Total		2,786,380.00	Total	2,786,380.00

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

PROVIDENT FUND ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2014-15

Receipts	Amount	Payments	Amount	Amount in Rupees
Opening Balance IOB	4,047,509.41	GPF Adv./Withdrawal/Part Final		10,183,009.00
FD	28,425,125.00	CPF Adv./Withdrawal		
SBI, Branch- 1		NPS Tier-II		
SBI, Branch -II		University Contribution Withdrawal		
Bank				
GPF Subscription	7,660,520.00	Investment during the year		
CPF Subscription		Closing Balance:-		
CPF University Contribution		SBI, Branch- 1		26,797,459.00
NPSTier-II Account	2,636,810.00	FD		5,939,066.41
Investment Encashed	149,570.00	IOB		
Interest Received SB				
Total	42,919,534.41	Total		42,919,534.41

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

NPS TIER-I ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2015

	Liabilities	Amount	Amount	Assets	Amount in Rupees
Amount					Amount
	NPS Tier-I Account			NPS Tier -I Account	
	Opening Balance	5,978,270.00		Subscription and Contribution due for 3/1 5	
	Less: NSDL Remit	8,796,489.00			
	Less: Sub. For 3/2014				
		(2,818,219.00)			
	Add: Sub + U Contribution	6,028,979.00		Investment	
	Add: Interest Credited	3,210,760.00		Interest Accrued but not due	1,469,721.00
	Less: Transferred to NSDL			GPF Contra	2,138,000.00
	Add: Sub+UC for 3/2015			Balance at Bank	
	Excess of Income over Expenditure	396,961.00			
	Balance as on 1.4.2014				
	Add: During the year				
	Total	3,607,721.00		Total	3,607,721.00

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

NPS TIER-I ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE FINANCIAL YEAR 2014-15

		Amount in Rupees			
Amount	Expenditure	Amount	Amount	Income	Amount
	Interest Credited to Subscribers' Accounts Bank Charges			Interest Earned on Investment	310,474.00
				Normal Interest	86,487.00
	Excess of Income over Expenditure	396,961.00		Less: Interest Accrued 31/03/14 Interest Accrued but not due.	
-	Total	396,961.00	-	Total	396,961.00

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
TARAMANI, CHENNAI - 600113
NPS TIER- I ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNT FOR THE FINANCIAL YEAR 2014-15

Receipts	Amount	Payments	Amount	Amount in Rupees
Opening Balance as on 1/04/2014				
NPS Tier-I Account	5,978,270.00	Investment		8,796,489.00
Own Subscription	741,934.00	Withdrawal / Refund to NSDL		1,469,721.00
University Contribution	5,287,045.00	GPF Contra		
Interest Received on Investmet	310,474.00			
Interest on Saving Bank A/C	86,487.00			
Investment Encashed		Closing Balance		2,138,000.00
TOTAL	12,404,210.00	TOTAL	12,404,210.00	

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

OVERSEAS TRAINING COURSE ACCOUNT

**Overseas Training Course (OTC)
Balance Sheet as on 31.03.2015**

LIABILITIES	Current Year 2014-15	Previous Year 2013-14	ASSETS	Current Year 2014-15	Previous Year 2013-14
CAPITAL FUND:	43142388.00	43142388.00	DEPOSITS:	28000000.00	33000000.00
Add: Excess	8960069.00		SDR		
Duties and Taxes	759.00		LOANS & ADVANCES	825650.00	1109190.00
			Temporary Advances		
			NITTTTR Contribution	2919985.00	2919985.00
			Closing Balance		
			Axis Bank	20357581.00	6113213.00
TOTAL	52103216.00	43142388.00	TOTAL	52103216.00	43142388.00

**Overseas Training Course (OTC)
Income & Expenditure Account for the year ended 31.03.2015**

EXPENDITURE	2014-15	2013-14	INCOME	2014-15	2013-14
Books & Periodicals					
OTC Expenses	8797099.00	706757.00	Project Receipts	20196661.00	27658854.00
CDIMD - XXIX Batch			Interest Bank	3848761.00	1298065.00
CDIMD - XXXII Batch	36780.00	761951.00			
Sundry Creditors	9273.00				
DTEMDG		2902555.00			
LIVING allowance	3223545.00	-70719.00			
GISARP					
ICT-III	26978.00	707809.00			
MLP OTC					
MLPM-VI		2283619.00			
Guest House Boarding & Lodging	2802750.00	521200.00			
Room Rent	69300.00				
OTC WETE Course					
Project Allowance	33419.00				
SDEM Batch		1753006.00			
Book allowance	71989.00				
Travelling & Conveyance	14220.00	315243.00			
WETTVE		1265868.00			
WQA-1 Batch		1075888.00			
Excess of Income over Expenditure	8960069.00	16733742.00			
Total	24045422.00	28956919.00	Total	24045422.00	28956919.00

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

PROJECT ACCOUNT

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

PROJECT ACCOUNT

Balance Sheet as on 31.03.2015

LIABILITIES	2014-15		ASSETS	2014-15	
Project Fund: Opening	178064.00				
Less: Excess expenditure over income	51291.00	126773.00	RESERVES AND SURPLUS		14512.00
PROJECT WIP			40/CEM/RAY/TVL/SMOH/2011-12	566792.00	
FY 2009-10	999032.00		41/CEM/RAY/TRY/SMOH/2011-12	891147.00	1457939.00
FY 2010-11	2411197.00				
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		8268676.00
		9780127.00			9780127.00

National Institute of Technical Teachers Training and Research
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PROJECT ACCOUNT
Income & Expenditure Account for the year ended 31.03.2015

	2014-15	INCOME	2014-15
EXPENDITURE			
Duties and Taxes	81776.00		
LC charges	2209.00		
		SDR Interest	18694.00
		Other Income	14000.00
		Excess of expenditure over income	51291.00
Total	83985.00	Total	83985.00

PROJECT ACCOUNT
Receipts & Payments Account for the year ended 31.03.2015

RECEIPTS	2014-15	PAYMENTS	2014-15
OPENING BALANCE:			
Cash at Bank	6763607.00	Duties and Taxes	81776.00
Cash in Hand	68500.00	LC charges	2209.00
	6832107.00		
FY 2010-2011	349375.00	FY 2009-10	219587.00
FY 2011-2012	2681412.00	FY 2010-11	741512.00
FY 2014-2015	804789.00	FY 2011-12	1112583.00
	3835576.00	FY 2012-13	23096.00
SDR Interest	18694.00	FY 2013-14	106507.00
		FY 2014-15	91431.00
			2294716.00
		CLOSING BALANCE:	
		Cash in Hand	39000.00
		Cash at Bank	8268676.00
Total	10686377.00	Total	10686377.00

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

CORPUS FUND A/C
Income & Expenditure Account for the year ended 31.03.2015

	2014-15	2014-15
Net Profit	190588.00	
		<u>Direct Income</u> IDDS Corpus fund 10% 15% 20% Normal Interest Project A/c
		44000.00 0.00 70400.00 50333.00 25855.00
Total	190588.00	Total 190588.00

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

CORPUS FUND A/C

RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2015

Receipts	Amount	Payments	Amount
Opening Balance IOB 30101	1388256.00		
IDDS Corpus Fund 10%	44000.00		
IDDS Corpus Fund 20%	70400.00		
Project Account	25855.00		
Normal Interest	50333.00		
		Closing Balance IOB 30101	1578844.00
TOTAL	1,578,844.00	TOTAL	1,578,844.00

