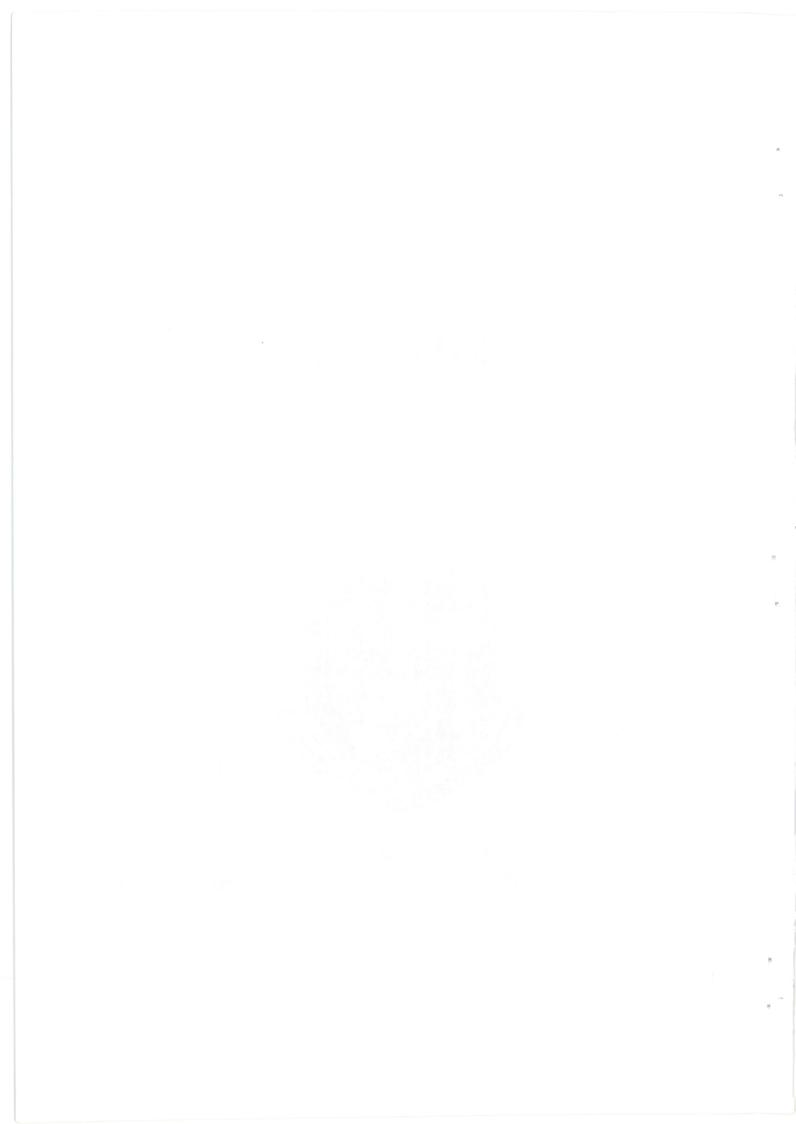
ANNUAL REPORT

2013-14

(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 –NITTTR, 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 2013-14. 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 are always striving to take advantage of technological developments that can make our training programmes more effective and accessible to our teachers nationwide. We recognize that not all 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 and change in environment through beautification also added pleasant learning experience.

The year 2013-14 represented another period of expansion and development. During this year the following were achieved:

- Training of 2625 technical teachers and personnel from industries
- Training of 126 teachers, policy makers and educational administrators from 37 countries through 7 Overseas Trainees Courses
- Doctoral and Master's Programmes with 49 candidates
- Curricula of M.Tech (HRD) and seven overseas trainees programmes were revised.
- Development of 131 instructional resources (print type materials and videos)
- Carrying out eight Research & Development Projects worth of Rs. Two crores

Although we serve many tens of thousands of individuals worldwide, perhaps the most gratifying part of our work at NITTTR 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 your valuable support. It is hoped that the faculty and the management of the polytechnics/engineering institutions will come forward in large numbers to participate in the programmes and derive maximum benefit from our common effort towards improving the quality of technical education.

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

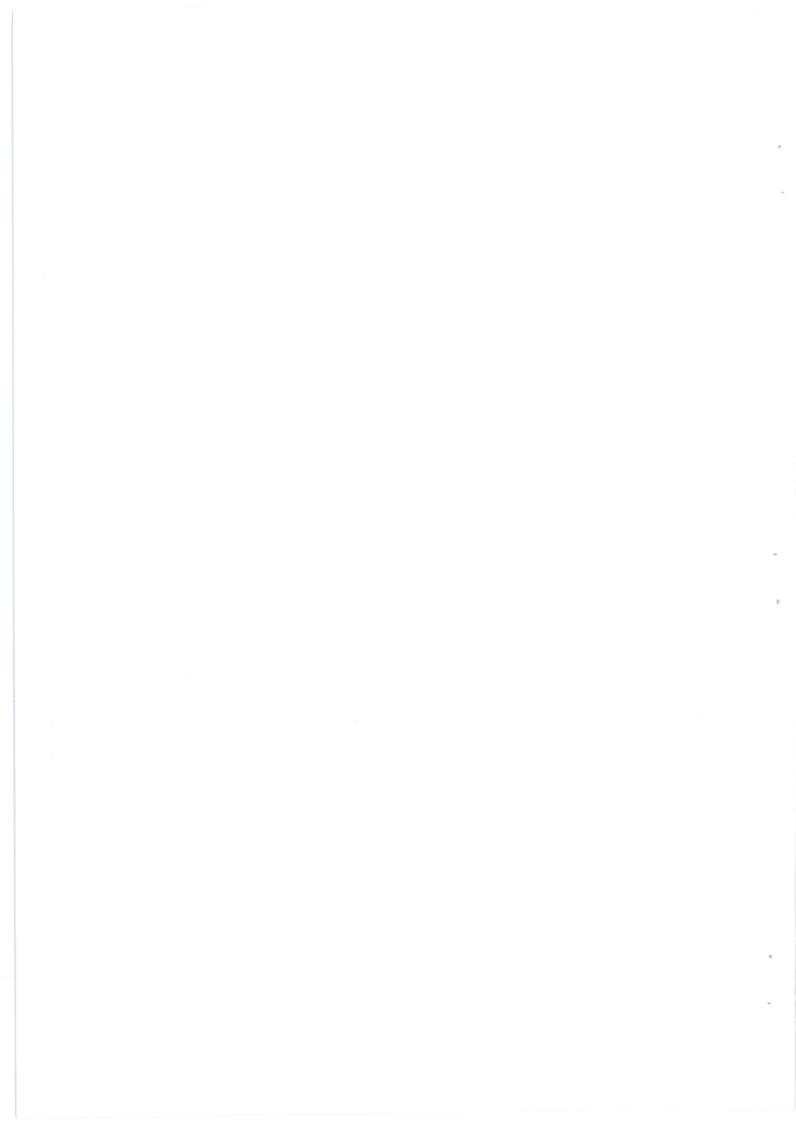


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1.0 PREAMBLE

he 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
- Team work
- Staff Development for continuous learning
- Openess and Transparency
- Cliental focus
- Social responsibility

2.0 OBJECTIVES

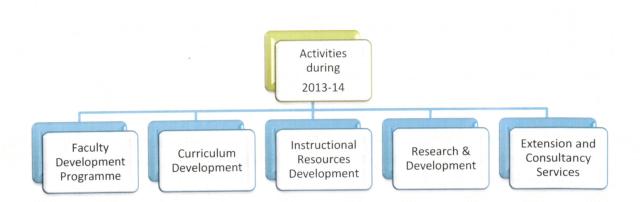
The objectives of the institute are:

- ✓ 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 Text books, 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 stateof-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 2013-2014

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 2013-2014 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.



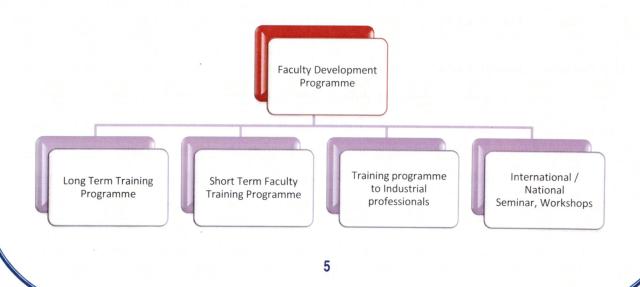
The institute focused on the following activities during the year 2013-2014:

- 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, Strategic Planning, 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 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
 - Strengthening of Existing Polytechnics
 - Construction of Women's Hostel
 - Setting up of New Polytechnics
 - c. Project for Persons With Disabilities
 - d. National Skill Development Mission
 - e. National Mission on Education through ICT
 - f. National Mission on Teachers and Teaching
 - g. Expert committee visit to facilitate accreditation and approval of new polytechnics
 - h. Technical and consultancy service in the area of engineering / technology
 - 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, 46 candidates have registered for Ph.D. Programme in this institute. The following three research scholars were awarded Ph.D. degree in Engineering Education by the University of Madras during this year.

Table 1 Particulars of Ph.D. Degrees Awarded

S. No.	Name & Institutional affiliation of the candidate	Title of the Thesis	Supervisor	Date of award of Viva Voce
1.	Mr. M. Sivasakthi Full Time Research Scholar Department of Education, NITTTR, Chennai – 113.	Study of Learning Difficulties in Concurrent programming of OOPS using Java for the students of Computer Science and Engineering	Dr. R. Rajendran Associate Professor, Dept. of Education	03.05.2013
2.	Ms. L.M. Jenila Livingston Full Time Research Scholar Department of Policy Planning & Educational Research NITTTR, Chennai – 113.	Development and Validation of a Web based Diagnostic Test on Implementation of Doubly Linked Lists in Data Structures	Dr. D. Brahadeeswaran, Former Professor and Head, Department of Policy Planning & Educational Research	15.05.2013
3.	Mr. S. Udayakumar Computer Programmer, Curriculum Development Centre, NITTTR, Chennai - 113	A Study of the implementation of e – lessons in Polytechnic Colleges of Andhra Pradesh	Dr. B.G. Barki, Former Professor and Head, Department of Education	07.06.2013

So far a total number of 59 scholars have been awarded Ph.D. degree.

Ph.D Progress Review Meetings

A system of monitoring the progress of Ph.D. Scholars by conducting review meetings, once in six months was introduced in the year of 2009. The purpose of this initiative is to enrich the quality of the research work through formative evaluation and providing constructive feedback. During this year, the Review Committee conducted the eighth Progress Review meetings during 25th April -3rd May 2013. A total of 29 scholars presented their work to the Review Committee and received very useful feedback and suggestions.

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. During this year, the curriculum of M.Tech (HRD) programme has been revised keeping in line with latest trends in HRD practices. 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 subject's viz., 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 IX Batch three candidates are pursuing M. Tech (HRD) programme.

c) OVERSEAS TRAINEES COURSES

During the year 2013-14, the institute organized seven training programmes for the overseas participants under the ITEC Programme 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 programme under ITEC programme for the past 32 years, 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. Centre for International Affairs coordinates the programme with the subject coordinators of each course.

Table 2: Eight Weeks OTC Programmes during the year 2013-14

Courses	Subject Coordinators
Curriculum Design and Instructional Material Development	Dr. S. Dhanapal
Sustainable Development and Environmental Management	Dr. S. Mohan and Dr. G. Janardhanan
Developing Technical Education to meet the Global Needs	Dr. S. Mohan and Dr. G. Kulanthaivel
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

Table 3: Enrolment by Nation: 2013-14

Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled	Countries	No. of Participants Enrolled
AFGHANISTAN	10	LESOTHO	1	SIERRA LEONE	1
BANGLADESH	5	MADAGASCAR	56 06 1 1808	SRILANKA	4
BHUTAN	2	MALAWI	1	SOUTH SUDAN	2
BOTSWANA	1	MAURITIUS	5	SUDAN	1
BURUNDI	3	MONGOLIA	1	SYRIA	2
CAMBODIA	2	MYANMAR	7	TANZANIA	11
CUBA	1	NAMIBIA	1	UGANDA	4
EGYPT	6 -	NIGERIA	8	UZBEKISTAN	4
ETHIOPIA	6	PALESTINE	1	VIETNAM	6
GHANA	8	PAPUA NEW GUINEA	1	YEMEN	1
INDONESIA	4	PERU	1	ZAMBIA	4
KENYA	1	PHILIPPINES	7		
LAOS	1	POLAND	1		in the second
			1110	Total candidates	126

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



32nd batch of this course was conducted by the Curriculum Development Centre of the institute from 31st July to 24th September 2013. Eight participants from six countries viz., Ethiopia, Ghana, Laos, Tanzania, Uzbekisthan and Vietnam attended this course. A total number of 566 overseas trainees were 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;
- To provide the modes of assessing the impact of developmental projects on environment and to suggest appropriate remedial measures; and
- To foster an increased quality
 of teaching and learning in
 education for sustainable
 development;



This is the fourth batch, coordinated by the Centre for Environmental Management from 2nd October to 26th November 2013. Nineteen participants from 14 countries viz., Burundi, Egypt, Ethiopia, Ghana,

Indonesia, Lesotho, Malawi, Mauritius, Peru, Sri Lanka, Syria, Tanzania, Vietnam and Zambia attended this Programme.

So far (including the fourth batch), a total number of 79 overseas trainees were 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 third batch of this course from 2nd October to 26th November 2013. Twenty six participants from 14 countries viz., Afghanistan, Cambodia, Ethiopia, Indonesia, Kenya, Mauritius, Myanmar, Phillipines, Srilanka, Tanzania, Uganda, Uzbekistan, Vietnam and Zambia 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 third batch), a total number of 59 overseas

trainees were trained by the institute through this course.

iv. Advanced Certificate course on Modern Library Practices

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 sixth batch of this course was conducted by the Resource Centre of this institute from 4th December 2013 to 28th January 2014. Twenty three participants from



14 countries viz., Afghanistan, Bangladesh, Botswana, Cambodia, Ethiopia, Ghana, Myanmar, Nigeria,

Palestine, Phillipines, Sudan, Tanzania, Vietnam and Zambia. So far (including the six batch), a total number of 134 overseas trainees were 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 seventh batch of this course was conducted by the Department of Education of this institute from 4th December 2013 – 28th January 2014. Thirteen participants from eleven countries viz., Afghanistan, Bangladesh, Bhutan, Burundi, Tanzania, Ghana, Madagascar, Mauritius, Namibia, Nigeria and Phillipines attended this course. So far (including the seven batch), a total number of 78 overseas participants were 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 fourth batch of this course was conducted by the Centre for Environmental Management of the institute from 4th February to 31st March 2014. Twenty one participants from 14 countries viz., Afghanistan, Bangladesh, Bhutan, Egypt, Mongolia, Myanmar, Niger, Nigeria,

Papua New Guinea, South Sudan, Tanzania, Uganda, Vietnamand Zambia attended this course. This course was structured into three major units totaling up to 12 curriculum modules. Course is 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 fourth batch), a total number of 55 overseas trainees were trained by the institute through this course.

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

The first batch of this course was conducted by Educational Technology and Multimedia Media centre from 4th February to 31st March 2014. Sixteen participants from 12 countries viz., Burundi, Cuba, Egypt, Ghana,



Indonesia, Mauritius, Myanmar, Nigeria, Philippines, Poland, Sierra Leone and Yemen 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.

Highlights of the Overseas Trainees Courses

- → The participants of the seven courses listed above were 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 126 persons (teachers and administrators) from 37 countries participated in these courses.

- → In SDEM course, participants stay in the village and understand the progress made towards achieving the sustainability and in turn Millennium development goals.
- → Individual presentation in the seminars by the participants and carrying out project work individually.
- → Participants were exposed to Indian culture and tradition through visits.
- → In their feedback, they have stated that the courses were conducted very effectively & efficiently.
- → The logistics and stay in India were found to be very enjoyable by them.
- → They have assured that they will utilize the newly acquired competencies in performing their job in their home countries, on their return.

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.





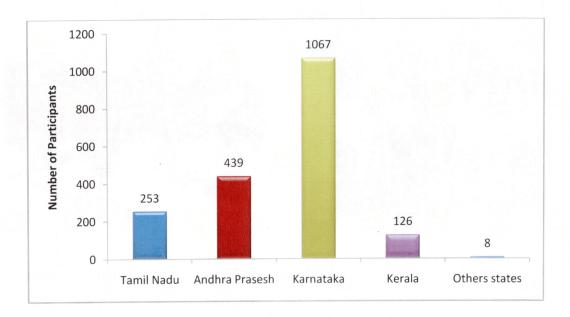
The specific training needs of the teachers of the polytechnics in each of the southern states were identified through customized workshops. Four such workshops were conducted – one in each state. The course details, duration and venue were finalized in Programme Development Committee meetings attended 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 in the following areas:

- Content updating in Engineering and Technology
- ► Instructional Design and Delivery System (Basic and Advanced Pedagogy)
- Evaluation of Students Performance
- Student Services
- Guidance and Counseling
- Stress Management
- Technology Enabled Teaching and Learning
- ▶ Library Automation

The performance in this area during the year under report had been impressive as 96 courses were conducted involving a total of **1893** participants (Male: **1353**, Female: **540**) from the polytechnics. Thus to date **67,125 teachers** have been trained through **3594 courses**.



Number of faculty trained during 2013-14

b) POLYTECHNIC COLLEGE PROGRAMMES - WEB CAST MODE

The Ministry of Human Resource Development (MHRD), Govt. of India (GOI) has initiated the National Mission on Teachers and Teaching (NMTT). The mission addresses issues related to capacity building for improvement in teacher qualification, pedagogical skills, communications skills, technology enabled teaching, teacher absenteeism and accountability, continuous training and retraining, pre-service

and in-service training, academic growth and development of university teachers and engineering/technical teachers. The mission provides a holistic look into teacher education and suggests ways to strengthen the institutional mechanisms at all levels. Under this mission, NITTTRs are envisaged to play a leading role in induction training, and to provide in-service training of technical teachers in Polytechnics and



Engineering colleges for making this mission highly successful and fruitful. As part of the mission, the MHRD, Govt. of India aims to train every polytechnic teacher during the current plan period, on current practices of pedagogy and renew their ability to meet the demands of present day teaching learning process for providing excellent technician education. The webcast studio is developed at NITTTR Chennai with the adequate facilities for the webcasting of the training programme. Lectures are broadcasted as per the schedule and authorized nodal centers can relay the lecture and discussion session. NITTTRs have been identified for this noble activity to impart pedagogical training to faculty members for making teaching effective, by MHRD. So far eight batch of web based IDDS programme was conducted.

Table 4: Enrolment in Polytechnic courses 2013-14

SI. No.	TOPIC	No. of Participants
NITTT	R CHENNAI CAMPUS	Mary I as
1.	Data communication and networking	5
2.	Embedded Systems – 8051 Microcontroller and LPC 2148 ARM Controller	29
3.	Soft Skills	14
4.	CNC Machines	19
5.	VB. Net	19

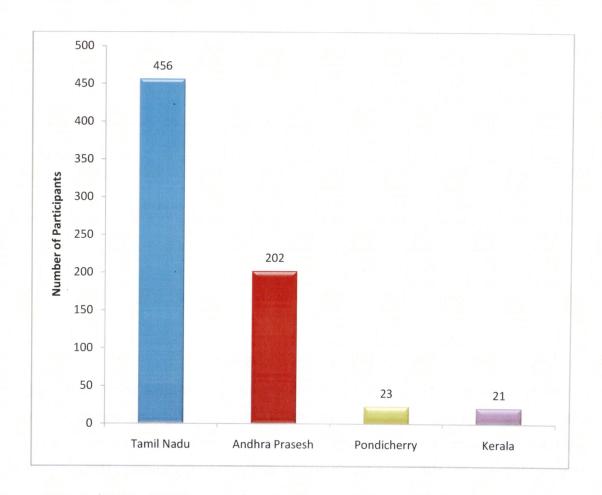
SI. No.	TOPIC	No. of Participants
6.	Multimedia Learning	11
7.	Circuit Simulation and PCB Design Lab (Using Multisim)	24
8.	Environmental Engineering Laboratory Practice	17
9.	Limit State Design of Steel Structures as per I.S. 800 -2007	19
10.	Developing Data base application using ORACLE and VB.Net	30
11.	Power Electronics and Electrical Drives	17
12.	Total Quality Practices in the industry	9
13.	Non-conventional energy sources	15
14.	Surveying using Total Station and GPS	12
15.	Research Methodology	14
16.	XML and Web Services	15
17.	e-Content Publishing	25
18.	Advances in Manufacturing Techniques	9
19.	Workshop on Material Testing Laboratory Manual Preparation	23
20.	Instructional Graphic Design	27
21.	Advanced Communication Systems	17
22.	Guidance & Counselling	31
23.	Repairs and Renovations of Structures	20
24.	Modern trends in Automobile Technology	22
25.	Geotechnical Engineering	8
26.	Total Quality Practices in the industry	23
27.	Communication Skills	26
28.	Building Information Modeling using REVIT Architecture	22
29.	Data Structures using C Programming Language	16
30.	Computer Aided Drafting and Modeling	10
31.	Advances in Welding and Manufacturing	19
32.	ARM Controller	19
33.	Instructional Design and Delivery System	9
34.	Total Quality Practices in the industry	13
35.	Construction Techniques and Project Management	15
36.	Preparation of Evaluation Items for e-Content	14
37.	LabVIEW Programming	20
38.	Latest Trends in Town and Urban Planning	11
39.	Surveying using Total Station and GPS	13
40.	8086 Programming and Advanced Microprocessor	13

SI. No.	TOPIC	No. of Participants
41.	Green Building Concepts and Sustainable Development	6
42.	Refrigeration and Air conditioning	3
43.	e-Content and Learning Management Systems	8
44.	Electrical CAD	8
45.	Research Methodology in Engineering Education	9
46.	Environmental Impact Assessment	10
47.	Computer Aided Manufacturing and Metrology	6
48.	Power Electronics	9
49.	Instructional Design and Delivery System	11
50.	Social Media in Education	16
51.	ORCAD – Capture, Simulation and PCB Layout	15
52.	Instructional Audio Design	3
53.	Non Destructive Testing and Non Traditional Machining	4
54.	Simulation and Graphical System design using MATLAB and LabVIEW	18
55.	Web Programming	12
56.	Soft Skills	22
57.	Web Design (Commercial Practice)	13
58.	Building Information Modeling using REVIT Architecture	9
59.	Special Electrical Machines and Control	21
60.	Educational Video Film Making Workshop for Computer Science and Allied branch Teachers	12
61.	Robotics and Mechatronics for Industrial Automation	35
62.	Computer Application in Structural Engineering	25
63.	Biomedical Electronics and Telemedicine	15
64.	Limit State Design of Steel Structures as per I.S. 800 -2007	16
65.	Students Guidance and Counseling	9
66.	Implementation of e-Governance for institutional needs	10
67.	Object oriented Programming using JAVA	29
68.	Limit State Design of RC Structures	12
69.	Satellite and Fiber Optic Communication	25
70.	Gender Issues in Technical Education	25
71.	Design of Earthquake resistant Structures	15
72.	Heating Ventilation and Air Conditioning	33
73.	MATLAB for Simulation and Design	36
74.	Student Evaluation	43
75.	Workshop on Environmental & Pollution Control - Manual Preparation	7

SI. No.	TOPIC	No. of Participants
	IDDS ,WEB CAST MODE - JSS Polytechnic for Women, Mysore	20
	IDDS ,WEB CAST MODE - BVVS Aided Polytechnic Bagalkot	37
	IDDS ,WEB CAST MODE - S J Govt. Polytechnic, Bangalore	26
	IDDS ,WEB CAST MODE - KHK Aided polytechnic, Dharwad	25
	IDDS ,WEB CAST MODE - Govt. Karnataka Polytechnic, Mangalore	22
76.	IDDS ,WEB CAST MODE - Govt. DRR Polytechnic, Davangere	26
	IDDS ,WEB CAST MODE - Govt. Polytechnic, Raichur	27
	IDDS ,WEB CAST MODE - Govt. Polytechnic, Belgaum	22
	IDDS ,WEB CAST MODE - Govt. Polytechnic, Chintamani	20
	IDDS ,WEB CAST MODE - SNM Polytechnic, Mudibidre	29
77.	Electrical Systems for Wind and Solar Energy	14
78.	Water Quality Data Analysis and Interpretation	13
79.	Office Automation	10
80.	Total Quality Practices in the industry	10
81.	Network Programming	20
82.	Computer Aided Design and Manufacturing	15
83.	Basic Course on PLC	15
84.	Guidance & Counselling	30
85.	Advanced Course on PLC	16
86.	Advances in Heat Treatment and Welding	17
NITTI	R - Extension Centre - Hyderabad	
87.	Induction Programme for newly recruited teachers	33
88.	Optical Fibre Communication	20
89.	Workshop for Curriculum revision (for CE & Arch)	25
90.	Induction Programme for newly recruited teachers	23
91.	Workshop for Curriculum revision (for EC & EE)	28
92.	Induction programme for newly recruited teachers	24
93.	Workshop for Curriculum revision (for ME & Auto)	27
NITT	TR - Extension Centre - Kalamserry	1 1200
94.	Heat Engines Lab	23
95.	Fluid Mechanics and Pneumatics	14
96.	Refrigeration and Air Conditioning	18
	Total	1893

c) ENGINEERING COLLEGE PROGRAMMES

The institute has also focused its activities to improve the quality of education in engineering colleges through training of teachers. **16** short term courses covering **702** participants (Male: 376, Female: 326) were organised. Training programme basically focuses as a tool kit for classroom engineering. Online evaluation is also introduced in this academic year to gauge the effectiveness of the programme,



Thus to date, 22,494 teachers have been trained through 569 courses during the past thirteen years.

Table 5: Enrolment in Engineering courses - 2013-14

SI. No.	Venue	No. of Participants
INSTRUCTION	NAL DESIGN AND DELIVERY SYSTEM (IDDS)	
1	P.S.R. Engineering College, Sivakasi, Tamil Nadu	49
2	Visakha Instsitute of Engineering & Technology, Narava, Andhra Pradesh.	57
3	Chaitanya Bharathi Institute of Technology, Andhra Pradesh	50
4	Arunai Engineering College, Tamil Nadu	55
5	SR Engineering College, Andhra Pradesh	44
6	KCG College of Technology, Tamil Nadu	52
7	Dhanalakshmi Srinivasan Engineering College, Tamil Nadu	60
8	Dhanalakshmi Srinivasan Engineering College, Tamil Nadu	60
9	Prasad V. Potituri Siddhartha Institute of Technology, Andhra Pradesh	49
10	Muthayammal Engineering College, Tamil Nadu	53
11	TKM College of Engineering, Kerala	21
12	Dr. N.G.P. Institute of Technology, Tamil Nadu	50
13	Bharathidasan Institute of Technology, Tamil Nadu	33
14	Adhiparasakthi Engineering College, Tamil Nadu	41
15	National Institute of Technology, Puducherry	23
16	NITTTR, Chennai	5
	Total	702

4.3 INDUSTRIES AND OTHER ORGANISATION PROGRAMMES

The institute has established good collaboration with government organisation and industries. Both the government organisation viz., Public Works Department, Tamil Nadu Highways Department, Pollution Control Board and industries are also availing the experience, expertise and resources of institutions for getting their engineers and staff trained. During 2013-14, the Centre for Environmental Management (CEM) of this institute conducted specialized courses to newly recruited assistant engineers and scientist of Tamil Nadu Pollution Control Board (TNPCB), Government of Tamil Nadu and trained newly recruited assistant engineers. This unique training programme train the newly recruited engineers both in the content and administrative areas. Thus to date, 2497 persons had been trained through 115 courses during the past thirteen years.

4.4 MEMORANDUM OF UNDERSTANDING

As part of NMEICT rolling out NITTTR, Chennai entered into Memorandum of Understanding with the following 10 organizations / institutions during 2013-14.

- Jawaharlal Nehru Technological University, Anantapur
- Anna University Chennai
- Visvesvaraya Technological University, Karnataka
- Directorate of Technical Education, Puducherry Polytechnic and Engineering
- SRM University, Chennai
- Vellore Institute of Technology, Vellore
- Directorate of Technical Education, Andhra Pradesh through Shri. Ajay Jain
- Principal Secretary, Andhra Pradesh through Shri. Ajay Mishra (Engineering College)
- Kakatiya University, Andhra Pradesh
- Directorate of Technical Education, Kerala

4.5 INTERNATIONAL SEMINARS / CONFERENCES / WORKSHOPS CONDUCTED

A total of seven seminars / symposium / workshops were conducted during this year. More than 800 persons from Engineering colleges, Polytechnic colleges, Industries, Government departments and professionals participated in them. The details of each of these programmes are given below.

a) One day Symposium on Swami Vivekananda and His Thoughts on One's Personality Development, Education, Culture and Indian Society

A one day symposium on "Swami Vivekananda and His Thoughts on One's Personality Development,



Education, Culture and Indian Society" was organised by NITTTR, Chennai on 27.08.2013, in commemoration of the 150th Birth Anniversary of Swami Vivekananda Maharaj. The total number of participants attended the symposium was 164. The participants consisted of polytechnic teachers of various disciplines from the states of Karnataka, Tamil Nadu, Kerala, Andhra Pradesh, Pondicherry

d) International Seminar on Information Literacy for Technical Education

The National Institute of Technical Teachers Training and Research (NITTTR), Chennai organized an international seminar in collaboration with Thiagarajar college of Engineering, Madurai on 17th January



2014. During the seminar, the eminent speakers who worked in the area of media and Library Management were invited to give expert lectures on their field of interest. Around 62 participants including 22 foreign participants from different countries namely Nigeria, Zimbabwe, Mauritius, Fiji islands, Sudan and Bangladesh etc. and 40 participants from National level participated in the deliberation.

The broad objective of this international workshop is to provide a suitable forum:

- ✓ Understand the basic concept and principles underpinning Knowledge Management System
- ✓ Apply knowledge management practices in Technical Education System
- ✓ Design teaching and learning systems for knowledge management
- ✓ Develop Knowledge-Based Teaching and Learning System

The seminar was coordinated by Dr. R. Ravichandran, Senior Librarian, National Institute of Technical Teachers Training and Research, Taramani, Chennai – 600 113 and Mrs. L. Radha Librarian, TCE, Madurai.

e) International Seminar on "Gender Mainstreaming in Engineering Education"

An International Seminar on "Gender Mainstreaming in Engineering Education" was organised by National Institute of Technical Teachers Training and Research, Chennai in collaboration with Bannari Amman Institute of Technology, Sathyamangalam on 20th January 2014 at Bannari Amman Institute of Technology, Sathyamangalam. The broad objectives of the seminar were (i) to know the Gender Mainstreaming practices in Engineering Education, (ii) to know the international practices in Gender Mainstreaming and (iii) to develop strategies for Gender Mainstreaming in Engineering Education.



A total of 175 Participants from different countries namely Afghanistan, Bangladesh, Burundi, Bhutan, Tanzania, Ghana, Madagascar, Mauritius, Namibia, Nigeria and Phillipines in addition to Indian delegates attended this Seminar. **Papers** presented by Indian and foreign delegates. The conference enabled the participants understand to

Gender Mainstreaming and would hopefully enhance and improve the Gender Mainstreaming practices in Engineering Education.

f) International seminar on ICT-A boon for Higher Education

National institute of Technical Teachers Training and Research (NITTTR), Chennai conducted an international seminar on "ICT: a boon for Higher Education" in part of the overseas Training Course on



"Information and Communication Technologies for Education and Training on 24th March 2014. The seminar was organized jointly with P.S.R. Engineering College, Sivakasi, Tamilnadu. There are around 200 participants participated in the seminar. Dr. A.V. Ram Prasad, Principal of KLN College of Engineering, Madurai has addressed to the participants and he

emphasizing the paradigm shift from textbook-centered learning to technology-influenced learning, the teachers should encourage the use of information, communication and technology (ICT) tools for teaching the students. Dr. V.Shanmuganeethi, Asst. Prof & Head i/c of Dept of Edl. Technology & Multimedia has coordinated the seminar. Out of the 30 papers 16 papers were from foreign delegates who had dealt with

emerging trends in areas such as cloud computing and image processing. Shri. R. Sundar, Director PSR Institutions address the gathering and spoke about the importance of technology enabled education system. Finally K.R. Viswanathan Principal gave the vote of thanks.

g) International Training Workshop "Water Quality Analysis: Data Interpretation

National institute of Technical Teachers Training and Research (NITTTR), Chennai has conducted an

international workshop on "Water Quality Analysis – Data Interpretation" in collaboration with Karunya University, Coimbatore. This international workshop was in commemoration with World Water Day 24th March 2014. This two days workshop was to learn and share the best practices available in different countries to provide safe potable water.



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 2013-14, the curriculum of M.Tech (HRD) programme has been revised keeping in line with latest trends in HRD practices. In the curriculum 11 subjects have been newly introduced and 12 subjects are revised. Curricula of the seven overseas trainees is revised. In Andhra Pradesh two programmes curriculum was revised for the discipline of Electrical and Electronics and Communication Engineering.

6.0 INSTRUCTIONAL MATERIALS DEVELOPMENT

During 2013-14, the institute updated the 90 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 areas of technical education and teacher training. During the year under report 41 video programmes were produced for teachers and students of technical education institutions.

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

During 2013-14, the following 8 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 Municipal Solid Wastes And Transition Towards Controlled Land filling Practices	TNPCB	Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	716950
iv.	Ground Water Modeling Study for the Multi-Layer Coastal Aquifer System of Neyveli Hydro-Geological Basin	NLC Ltd., Neyveli	Dr. S. Mohan Er. K. S. A. Dinesh Kumar	2500000
V.	Preparation of Social Economic Survey, Identity Capture, Slum MIS, Topographical Survey, GIS Based Slum Mapping in Tirunelveli Region Under RAY	TNSCB, Chennai.	Dr. S. Mohan Dr. G. Janardhanan Er. K. S. A. Dinesh Kumar	2500000
vi.	Preparation of Social Economic Survey, Identity Capture, Slum MIS, Topographical Survey, GIS Based Slum Mapping in Trichy Region Under RAY	TNSCB, Chennai	Dr. S. Mohan Dr. E.S. M. Suresh Er. V. Shanmuganeethi	3000000
vii.	Preparation of Social Economic Survey, Identity Capture, Slum MIS, Topographical Survey, GIS based Slum Mapping Coimbatore Region under RAY	TNSCB, Chennai	Dr. S. Mohan Er. K. S. A. Dinesh Kumar Dr. R. Ravichandran	6900000
viii.	Design Check and monitoring Cell II Phase II Landfills at Gummidipoondi	TNWML Chennai	Dr. S. Mohan Dr. G. Janardhanan	400000
31.00			TOTAL	20716950

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 nonformal vocational training.

The AICTE has developed a National Vocational Education Qualification Framework (NVEQF). Under this framework, the following aspects are addressed:

- Definition of qualification at different constituent levels.
- · Strengthening of vocational education in the school system
- Providing vertical progression opportunities for vocational school pass outs
- Multipoint entry and exit options for enabling movement between job and learning

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

The validation of the curricula developed through review by experts from industry and higher academic institutions are currently being carried out. Preparations of Trainers Manual and Learners Manual for some of the identified trades are being undertaken.

10.0 SCHEME OF COMMUNITY DEVELOPMENT THROUGH POLYTECHNICS

As a Direct Central Assistance Scheme, the CDTP scheme sponsored by MHRD, Govt. of India, New Delhi in February 2009 is being implemented in 205* 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	Karnataka	Kerala	Tamil Nadu	Puducherry	Total
47	55	31	56	cools 1 von is	190 **

^{[*} Administrative sanction was given to 205; ** Financial sanction given only to 190 Polytechnics]

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 are:

- Socio-Economic 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, Statewise 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 2013-14, 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 2012-13 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 2012-13 were prepared and submitted to the Ministry.

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
- Arasan Ganesan 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 2013 - 14 are given below:

PWD STUDEN	ITS				
FORMAL DIPLOMA PROGRAMMES (Admitted) NON- FORMAL COURSES (Trained)					
45	314				

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

- Book Binding
- Cell Phone Servicing
- Chair Knitting
- Computer Hardware Assembling and Servicing
- Data Entry Operator
- Desk Top Publishing
- Doll and Candle Making
- Electrical Wiring
- Embroidery
- Office Automation
- Tailoring and Electric 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 elearning. 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 e-GOVERNANCE

The Institute is in the process of developing an e-Governance Application covering the Academic, Accounting, Purchase and Administrative processes of the Institute. The e-Governance application is aimed to help improving the productivity and accessibility of these processes. The Institute prepared a Request For Proposal (RFP) document outlining the scope and requirement of e-Governance application to be developed. Open Tender was initiated and technical and commercial bids were submitted by the vendors in April 2011. As an outcome of the Open Tender Process the firm HTC Global Services Pvt. Ltd., Chennai has been selected as the vendor for the development of the e-Governance application.

A Service Level Agreement (SLA) has been signed between NITTTR, Chennai and HTC Global Services Pvt. Ltd., Chennai on 24.11.2010. The agreement involves development of e-Governance based automation for the functional requirement of (i) Academic Processing System, (ii) Finance, Purchase, Inventory and Assets Management and (iii) Payroll & Human Resource Management System and (iv) Hostel and Guest House Management.

The vendor has developed the pilot study of the application which has been installed. The review of the features and validity of the following five modules are been carried out by the e-governance group and actual staff connected with the operation.

HRMS and Payroll
File Movement System
anala WW

The corrections indicated by the reviewers are being implemented by the vendor. It is expected that the e-governance will be in full operation from May 2014.

14.0 IMPLEMENTATION OF THE USE OF HINDI LANGUAGE

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

(i). A one day Hindi workshop was organized by Hindi Cell of our Institute on 03.05.2013 and 29 participants are attended the Hindi Workshop.

- (ii). On 06.09.2013 a Painting, Elocution & Essay Competition in Hindi on "Swami Vivekananda's Vision & Mission for our Country" for School Children's in and around Chennai was invited. Five Schools and 125 students are participated and the prizes for the winners were awarded on (Hindi Day) the occasion of celebration held on 25.09.2013.
- (iii). A one day Hindi workshop was organized by Hindi Cell of our Institute on 17.09.2013 and 24 participants attended the Workshop.



- (iv). Hindi Pakhwada was celebrated in the Institute between 4th to 6th of September, 2013 and Hindi Day was celebrated on 25th September, 2013. Various Competitions in Hindi Essay Writing, Copying a given paragraph in Neat Handwriting (for Group 'D'), Hindi Anthakshari & Hindi Debate (Topic: Science and Superstition) were conducted for the staff and trainees of the Institute. Dr. S. Subba Rao, Ph.D., Chief Scientist, CSIR- National Metallurgical Laboratory Madras Centre, (Council of Scientific & Industrial Research) CSIR Campus, Taramani, Chennai-113 was the Chief Guest of the Function.
- (v). A one day Hindi workshop was organized by Hindi Cell of our Institute on 05.12.2013 and 21 participants attended the Workshop.
- (vi). A one day Hindi workshop was organized by Hindi Cell of our Institute on 16.01.2014 and 17 participants attended the Workshop.

15.0 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 Annual Sports Meet is being conducted since 2005, every



year by rotation at Chandigarh, Bhopal, Kolkata and Chennai.

The Tenth inter NITTTR Sports Meet – 2014 was held at NITTTR, Bhopal from 10th to 14th February 2014. A total of 17 participants from our institute participated in this sports meet. NITTTR, Bhopal won the Championship trophy.

16.0 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 and Development Programmes attended:

- 1. Dr. S. Dhanasekaran attended training programme on "Organizational Excellence" from 01.04.2013 to 03.04.2013 at the Anna Institute of Management, Chennai.
- 2. Dr. E. S. M. Suresh attended "Second World Summit on Accreditation" from 08.03.2014 to 10.03.2014 at New Delhi, organized by NBA.
- 3. Dr. S. Renukadevi attended the workshop on "Prime Minister's National Skill Development Mission Role of NIEPMD" at National institute for empowerment of persons with multiple disabilities, Chennai on 22.08.2013.
- 4. Dr. G. Kulanthaivel attended three days' workshop on "Establishment of Teachers-Training Hubs" from 13.09.2013 to 15.09.2013 at NITTTR, Bhopal.
- 5. Dr. G. Kulanthaivel attended "Second World Summit on Accreditation" from 08.03.2014 to 10.03.2014 at New Delhi, organized by NBA.
- 6. Dr. G. Janardhanan attended two days International Workshop on Ïndustry Academia Collaboration for Greater National Productivity" from 14.04.2013 to 15.04.2013 at New Delhi, organized by AICTE, CII and MHRD.
- 7. Dr. G. Janardhanan attended three days training programme on "Stress Management" from 21.08.2013 to 23.08.2013 at Anna Institute of Management, Chennai.
- 8. Dr. G. Janardhanan participated 11th Edition, International Conference on Green Building Congress, from 24 26, Oct 2013 at Chennai, organized by CII.
- 9. Dr. G. Janardhanan attended "Second World Summit on Accreditation" from 08.03.2014to 10.03.2014 at New Delhi, organized by NBA.
- 10. Shri K.S.A. Dinesh Kumar attended three days' workshop on "Establishment of Teachers-Training Hubs" from 13.09.2013 to 15.09.2013 at NITTTR, Bhopal.
- 11. Shri K.S.A. Dinesh Kumar attended "Second World Summit on Accreditation" from 08.03.2014to 10.03.2014 at New Delhi, organized by NBA.

- 12. Shri. U. S.Sahu attended in QIP on "Optoelectronics and Optical Communication "from 16.09.13 to 20.09.13 at IIT Guwahati.
- 13. Shri.M.Senthilkumar attended training programme on "Research Methodology in Engineering Education" from 28.10.13 to 01.11.13 at NITTTR, Chennai.
- 14. Dr.S. Somasundaram attended training programme on 'Total Quality Management in Government Organizations' from 08.07.13 to 10.07.13 at Anna Institute of Management, Chennai.
- 15. Dr.S. Somasundaram attended In-country programme on "Capacity Building of Champion Leaders Development Programme for TVET skills for Poverty Alleviation Project" from 16.12.13 to 20.12.13.at NITTTR, Bhopal.
- 16. Dr.S.Somasundaram attended "Second World Summit on Accreditation" from 08.03.2014to 10.03.2014 at New Delhi, organized by NBA.
- 17. Dr. V. Shanmuganeethi attended three days' workshop on "Establishment of Teachers-Training Hubs" from 13.09.2013 to 15.09.2013 at NITTTR, Bhopal.
- 18. Dr. V. Shanmuganeethi attended three days training programme on "Stress Management" from 21.08.2013 to 23.08.2013 at Anna Institute of Management, Chennai.
- 19. Dr. V. Shanmuganeethi attended ICTACT Bridge Connect workshop on 26.02.2014 to 28.02.2014.
- 20. Dr. V. Shanmuganeethi attended "Second World Summit on Accreditation" from 08.03.2014to 10.03.2014 at New Delhi, organized by NBA.
- 21. Dr. R. Rajendran attended training programme on "Managerial Effectiveness" from 06.05.13 to 08.05.13 at Anna Institute of Management, Chennai.

Papers Presented in Conferences:

 Ravichandran, R. (2013, April). Impact of Information and Communication Technology (ICT) for Library Professionals on Modern Library Practices. Paper presented in the 3rd International conference on Asian Special Libraries held at International Convention Centre, Manila, Philippines, from 10 – 12 April 2013.

Papers published in Journals:

- 1. Suresh, E. S. M. and Mahalakshmi, R. (2013). LMS a Tool for Green Computing 'PARIPEX'. Indian Journal of Research, Vol. 2, Issue 4, pp 78 80.
- 2. Suresh, E. S. M. and Hemabala, J. (2013). Mobile Learning for undergraduate Engineering Students. International Journal of Computer and Information Technology, Vol. 2, Issue 6.
- 3. Suresh, E. S. M. and Parameswaran, A. N. (2014). A Study on Effectiveness of Institute-Industry Collaboration in Higher Engineering Educational Institutions. The Indian Journal For Technical Education, Vol. 37 (1).
- 4. Suresh, E. S. M. and Mahalakshmi, R. (2014). LMS for Computer Science Students. International Journal of Information and Computation Technology, Vol. 4(3), pp 285 292.
- 5. Rathy, G. A. (2013). Effectiveness of the Power Electronics Curriculum of B. E. Degree Programme using Blooms Revised Taxonomy. International Journal of Computer Applications, Vol. 69(15), pp 21 25.
- 6. Malliga, P. (2013). A Survey on MOOC Providers for Higher Education. International Journal of Management and Information Technology, vol. 7, Issue 1, pp 962 967.
- 7. Ravichandran, R. and Jeyashree, S. (2013). Perspectives of Webometric Tools for Web Impact Assessment Studies: A Review. International Journal of Library Science, Vol. 2(2), pp43 48.
- 8. Ravichandran, R. and Shanmughaneethi, V. (2013). NextGenLib: Migration of Library Services to Next Generation. The Indian Journal of Technical Education, pp28 35.

Awards Won:

Dr. R. Ravichandran was conferred "BEST LIBRARIAN AWARD" by the Book Sellers and Publishers
Association of South India (BAPASI) on 10th January 2014 during the 37th Chennai Book Fair
inaugural function at YMCA Nandanam, Chennai. The cash award of Rs.10,000/- along with the
citation was presented.

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.

17.0 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.

18.0 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 31.03.2014)

Chairman

Prof. Dr. Allam Appa RaoChairman – 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

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

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

Representative of the AICTE

Dr.Kuncheria P. Isaac

Member Secretary 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

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)

Faculty Representative

Dr. S. Renukadevi

Professor & Head i/c Department of Education NITTTR, Chennai – 600 113

Appendix II

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

Member-Secretary

Prof. Dr. S. Mohan

Director

National Institute of

Technical Teachers Training and Research

Taramani, Chennai-600 113

Appendix - IV

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 and

Two from Industries

2. BOARD OF STUDIES FOR OVERSEAS TRAINEE'SCOURSE

1. Prof. Dr. S. Mohan

Chairman

2. Dr. S. Dhanapal

Member

3. Dr. V.K. Natarajan

Member

4. Dr. G. Janardhanan

Member

5. Dr. G. Kulanthaivel

Member

6. Dr. T. Jagathrakshakan

Convenor

3. BOARD OF STUDIES FOR M.TECH. (HRD) PROGRAMME

1. Prof. Dr. S. Mohan - Chairman

2. Dr. S. Dhanapal - Member

3. Dr. G. Kulanthaivel - Member

4. Dr. S. Renukadevi - Member

5. Dr. G. Janardhanan - Member

6. Dr. V. Shanmughaneethi - Member

4. BOARD OF STUDIES FOR DOCTORAL PROGRAMME (Research Studies)

1. Prof. Dr. S. Mohan Chairman

2. Dr. P. Arunkumar Member

3. Dr. S. Dhanasekaran Member

4. Dr. S. Dhanapal Member

5. Dr. E.S.M. Suresh Member

6. Dr. S. Renuka Devi Member

7. Dr. R. Rajendran Member

8. Dr. G. Janardhanan Member

Appendix - VII

PARTICULARS OF COMMITTEE MEETINGS

	No.	
Board of Governors	27 th	15.06.2013
	28 th	18.10.2013
	29 th	21.12.2013
NITTTR Chennai Society	10 th	18.10.2013
Finance Committee	26 th	15.06.2013
	27 th	18.10.2013
	28 th	21.12.2013

LIST OF FACULTY AND STAFF

DIRECTOR

Prof. Dr. S. Mohan, M.E., Ph.D., F.N.A.E.,

Centre for Environmental

Management

Prof. Dr. S. Mohan, M.E., Ph.D., F.N.A.E.,

Director & Head

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

Centre for International Affairs

Dr. T. Jagathrakshakan, B.E (Hons.), M.E., Ph.D.,

Professor of CivilEngineering 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

Computer Centre

Dr. P. Malliga, B.E., M.S., Ph.D.

Sr. System Analyst

Dr. V.Shanmughaneethi, M.E., Ph.D.

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. R. Rajendran, M.Ed., M.B.A., Ph.D.,

Associate Professor

Dr. K.S. Giridharan, B.E., M.Tech., Ph.D.

Assistant Professor

Educational Media Centre Dr. G. Kulanthaivel, M.E., PGDCA., Ph.D.

Professor of Educational Media Centre and Head i/c

Educational Technology &

Multimedia

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. F

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, B.Tech.Ed., M.Tech., PGDTCA, Ph.D.,

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

Policy Planning & Educational Research

Shri. S. Rajasekar, B.E. M.Tech (HRD)

Research Assistant in Education

Resource Centre

Dr. R. Ravichandran, M.Sc., M.LIS., M.Ed., M.B.A., Ph.D.,

Sr. Librarian

HOSTEL

Warden

Prof. Dr. S. Mohan

Director

Deputy Warden

Dr. G. Janardhanan

Associate Professor Department of CEM

Assistant Warden

Dr. R. Ravichandran

Sr. Librarian Resource Centre

Dr. S. Somasundaram

Assistant Professor

Department of Mechanical Engineering

Medical Officer (Part-time)

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

Part - II

REPORT ON ACCOUNTS 2013 – 14

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 2014

We have audited the attached Balance Sheet of National Institute of Technical Teachers' Training and Research, Chennai as at 31 March 2014, 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 upto 2017-2018. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.

- 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.
- 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:
- 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.
- 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 Finance.
- 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 - Provident Fund/NPS Account

Liabilities - Rs.3,93,07,271.71

The accumulated NPS balance as on 31.03.2014 as per records maintained in NTTTTR was Rs.89,43,417. However, an amount of Rs.59,78,270 was only disclosed as NPS liability in Balance Sheet. The difference needs to be reconciled.

B Income and Expenditure Account - NITTTR A/c

Expenditure on Grants/Subsidies - Schedule 22 - Rs.1,66,91,234

The institute has accounted the entire expenditure of Rs.4,29,656 (pertaining to the year 2013-14: Rs.59,992 and 2014-15: Rs.3,69,664) incurred on Annual Maintenance Contracts (AMCs) for Laboratory and Computer as current year expenditure though the AMC period is beyond 2013-14. This has resulted in overstatement of Expenditure to the tune of Rs.3,69,664 and understatement of Current Assets to the same extent.

C General

It was disclosed in the Schedule 24 – Significant Accounting Policy that the financial statements were prepared mostly on cash basis. The preparation of accounts on cash basis instead of on accrual basis is contrary to the instructions issued under the uniform format of accounts as prescribed by Ministry of Finance.

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 decreased by Rs. 3.11 crore and Excess of Income over Expenditure decreased by Rs. 2.74 crore.

E Grants-in-aid

Out of the Grants-in-aid of Rs.14.53 crore received for the year 2013-14,Rs.1.83 crore being unspent balance of the previous year and Rs.0.70 crore being the unspent balance received from PWD taken as grant totaling to Rs.17.06 crore, the Institute could utilize only Rs.15.53 crore leaving Rs.1.53 crore as unutilized grant as on 31st March 2014.

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.

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.
- 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 2014; 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 : 5.3.2015

Principal Director of Audit (Central), Chennai

Annexure to Separate Audit Report

1. Adequacy of Internal Audit System:

One employee has been appointed as Internal Audit Officer during July 2013. However, the Institute does not have an organised internal audit system.

2. Adequacy of Internal Control System:

Internal Control System was found to be adequate for areas seen in audit.

System of Physical verification of fixed assets and inventory:

Physical verification of Fixed Assets and inventory has been carried out during 2013-14 and no discrepancies were noticed.

4. Regularity in payment of statutory dues:

The Institute was regular in depositing the statutory dues.

Deputy Director/Admn.

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

ANNUAL ACCOUNTS 2013-14

National Institute of Technical Teachers Traning and Research, Taramani, Chennai - 600 113 Balance Sheet as on 31.03.2014

249,127,377.00 53,730,772.00 12,220,566.00 Previous Year 2012-13 31691036 221508138 1150674 Current Year 2013-14 Schedule 2 ω 4 2 9 1 Total Corpus / Capital Fund and Liabilities Corpus / Capital Fund and Liabilities Unsecured Loans and Borrowings Current Liabilities and Provisions Earmarked / Endowment Funds Secured Loans and Borrowings Deferred Credit Liabilities Reserves and Surplus

315,078,715.00

254349848

118,030,650.00

191099604

197,048,065.00

63250244

10 တ

Investments - from Earmarked / Endowment Funds

Currents Assets, Loans, Advances etc

Investments - Others

Miscellaneous Expenditure

7

315,078,715.00

254349848

24

Contingent Liabilities and Notes on Accounts

Significant Accounting Policies

Total

mand

National Institute of Technical Teachers Training & Resear तरमिए, थेन्नई - ६०० १९३ / Chennai - 600 113. साक्षीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान Government of India, Ministry of Human Resource Develor भारत सरकाष, मानव संसाधन विकास मंत्रास्त्र निदेशक / DIRECTOR

Fixed Assets Assets

National Institute of Technical Teachers Traning and Research, Taramani, Chennai - 600 113 Income & Expenditure Account for the Year ended 31.03.2014

	Schedule	Current year 2013-2014	Previous Year 2012-2013
Income			
Income from Sales / Service	12	3712472	3716352
Grants Subsidies	5	114600000	113957188
Fees Subscriptions	41	1301150	1549300
Income from Investments	15	3069640	5256315
Income from Royalty, Publication etc	16	174833	145165
Interest Earned	17	21136	65141
Other Income	18	13243609	216814
Increase/ (decrease) in stock of Finished goods and works-in-progress	19	. 65955	(4338)
Total (A)		136188795	124901937
Expenditure			
Establishment Expenses	20	95744069	60609696
Other Administrative Expenses	21	14526757	11513435
Expenditure in Grants/Subsidies	22	16691234	18834407
Interest	23		
Increase/ (decrease) in stock of Finished goods and works-in-progress		58313	
Depreciation	_∞	18621812	26185255
Total (B)		145642185	153494006
Balance being excess of income over expenditure (A-B) Transfer to Special Reserve (Specify each)			
Transfer to / from General Reserve			
Balance being Surplus / (Deficit) carried to corpus (B-A) Capital Fund		(9453390)	(28592069)

manague

प्राष्ट्रीय सम्प्रकृतिक शिक्षक प्रविश्वाप एवं अनुसंदान संस्थान,
National Institute of Technical Teachers Training & Rescord
भारत सम्बन्ध, मानव संस्थाचन विवास संज्ञास संज्ञास संज्ञास संज्ञास संज्ञास संज्ञास संज्ञास संज्ञास

		NITTTE 2013 2014	013-2014		
		Taramani P.O.,	Taramani P.O., Chennai - 113		
		Receipts & Payments	Payments		
		1-Apr-2013 to	31-Mar-2014		
Receipts	2013-14	2012-13	Payments	2013-14	2012-13
Bank Accounts	69139906.00	70401488	Duties & Taxes	40877 00	4715791
Cash-in-hand	405100.00	398900	Sundry Creditors	33774866 20	45027488
Earmarked/Endowment Fund	41739000.00		Other Liabilities	76603970 41	395168
Duties & Taxes	494001.00		Outstanding Expenses	6713090.00	4715059
Sundry Creditors	31524.00		Refundable Deposits	118566.00	369985
Other Liabilities	88373347.00		Subscriber's account		6320675
Refundable Deposits	336172.00	401219	Building	3996653	700848 00
Loans & Advances (Asset)	7343776.00	1292942	Computer Peripherals	1131595 00	410350
Fees & Subscriptions	1202250.00	2051850	COMPUTERS		
Grants Subsidies	103600000.00	142314000	E-Journal	681133 00	
Income From Investments	3080183.00	3774649	Equipments	1943959 00	732068
Income From Royalty and Publications	174833.24	145165	Furniture	23292000	65505
Income From Sales & Service	3331363.00	3481219	Other Assets	27900.00	928506
Interest Earned		20301	מינים שות		
Other Income	1728811 00	307003	Logard Insulative		8706.00
Expenditure in Grant/Subsidies	96664 00	027 770	Loans & Advances (Asset)	46654265.00	168750
Other Administrative Expenses	0004.00		rees & subscriptions	85000.00	
Other Expenses	00.1088		Income From Investments	10543.00	
משמה שלין היילין	758800.00		Income From Sales & Service	2200.00	
			Other Income	489605.00	
			Establishment Expenses	67827255.80	71854019
			Expenditure in Grant/Subsidies	8892224.00	14804730
			Other Administrative Expenses	7505631.43	6791312
			Other Expenses	258800.00)
			Bank Accounts	56852370.00	69139906
1.040			Cash-in-hand	434100.00	405100
lotal	321344631	227553966	Total	321344631	227553966

मिर्टेशक / DIRECTOR

पाहीय सकनीकी शिसक प्रशिक्षण एवं अनुसंधान संप्यान,
National Institute of Technical Toachers Training & Reseau

पाएल एएकाए, साम्य शंकायन विकास संशाय,
Government of india, Minaty of Human Resource Development

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

TARAMANI, CHENNAI - 600 113. FOR THE YEAR ENDING 31.03.2014 SCHEDULE - 1

	Current Year	Previous Year
SCHEDULE - CORPUS/CAPITAL FUND:	2013-14	2012-13
	Rs.P.	Rs.P.
Balance as at the beginning of the year	221196005	253107861
Add: Contributions towards Corpus/Capital Fund		
Capitalization of project/Equipments	644000	
Plan Grant Capital Expenditure	7837267	24393184
Corpus fund 10 & 20%	469500	218400
Corpus fund	814756	1
transferred from the Income and Expenditure Account	-9453390	-28592068
	221508138	249127377

National Institute of Technical Teachers Training & Research भारत सरकार, मानव संसाधन विकास नदासव. Government of India, Ministry of Human Resource Development, निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान,

तस्मिति, चेन्मई - ६०० १९३ / Chennai - 600 113..

Annexure to Schedule No.1

Notes:

In the Previous Year Annual Accounts for 2012-13 the Opening Balance was inadvertently taken as Rs.253107861/- in lieu of correct balance of Rs.225176489/- due to the wrong inclusion of the following elements. (items 2-4)

	Particulars	Amount
1		Rs.
	Closing Balance for 2011-12	225176489
	Excess Over Expenditure/Income	
	ADD 2011-12 Provident Fund	2701012
	2011-12 OTC	25382317
	LESS 2011-12 Project	151957
	TOTAL	050407064

If the Opening balance is adopted as Rs.225176489/- for 2012-13, the closing balance for 2012-13 should be arrived at Rs.221196005/- and the same figure Rs.221196005/- is adopted now as the Opening Balance for 2013-14 under Schedule 1.

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निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान, National Institute of Technical Teachers Training & Research भारत सरकार, मानव संसाधन वियक्षण नप्रात्य, Government of India, Ministry of Human Resource Development,

तरमागि, चेन्नई - ६०० १९३ / Chennai - 600 113

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI, CHENNAI - 600 113. FOR THE YEAR 2013-14 SCHEDULE - 3

EARMARKED / ENDOWMENT FUNDS	PLAN	PWD	AICTE/	Raiiv Gandhi	OSC	
	GRANT	SCHEME	SDP	N F/W	Spl. Grant	IOIAL(A)
a) Opening balance of the funds	5929236.00	293029.00	43100.00	24022.00		6289387.00
b) Additions to the Funds						
Donations/grants Income from investments made on account of funds	30739000.00					30739000.00
iii Other additions (specify nature)	6959554.00					6959554.00
TOTAL (a + b)	44271790.00	293029.00	43100.00	24022.00	00.00	44631941.00
c) Utilisation/Expenditure towards objectives of funds						
- Capital Expenditure - Fixed Assets	8481267.00					8481267 00
- Others (Advance to CPWD)	35000000.00					35000000.00
Total	43481267.00				00.00	43481267.00
ii Revenue Expenditure						
- Salaries, Wages and allowances etc - Rent						
- Others Administrative expenses						
IctoT	C					
-0.00	0.00					
TOTAL Utilisation / Expenditure	43481267.00	0.00	0.00	0.00	0.00	43481267.00
NET BALANCE AS AT THE YEAR END (a + b - c)	790523.00	293029.00	43100.00	24022 00		1150874 00
				1		1,000

Present of India Ministry of Human Resource Development of India Ministry of Human Resource Development के स्थान है। अपने संस्थान विकास नेतासक.

Annexure to Schedule No.3

Notes: A sum of Rs.69,59,554/- being the unspent balance deposit was received from PWD and taken as Plan grant. Rs.3,07,39,000/- was received as Plan grant (capital asset) from Government of India. Rs.3,50,00,000/- was given to CPWD for construction of classrooms during this year. Rs.6,44,000/- given to CPWD, spent for construction of building at Kalamassery was taken as grant and capitalized. Rs.78,37,267/- was utilized towards capital asset is also capitalized under Schedule 1.

मिदेशक / DIRECTOR
सम्भेय सकनीकी शिक्षक / DIRECTOR
National Institute of Technical Teachers Training & Research
Government of India, Ministry of Human Resource Development,
सम्मन्ति, केन्नई - ६०० १९३ / Chennai - 600 113.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH, CHENNAI Schedule attached to and forming part of Balance Sheet as on 31st March 2014 CURRENT LIABILITIES AND PROVISIONS

Schedule - 7

SI. No.	Particulars		Current Year 2013-14	Previous Year 2012-13
	,		Rs. P.	Rs. P
1	Outstanding Expenses:			
	Staff Salaries		4906899.00	4710682.00
	Telephone Charges			15154.00
	Pension payment		1962701.00	1703218.00
	Research Fellowship			44484.00
	Vehicle Maintenance	'	4959.00	4959.00
	Water Charges			29880.00
	Electricity Charges			209672.00
	Electrical Maintenance		5975.00	5975.00
	salaries others			
	NPS Contribution Due			62418.00
		Total A	6880534.00	6786442.00
2	Refundable Deposits:			
	Earnest Money Deposit		565316.00	369244.98
	Caution Deposits for Staff Quarters		20000.00	
	Caution Deposits for Ph.D.		25500.00	25500.00
	Community Hall Deposit	. 1	174.00	174.00
	Caution Deposits for Canteen		6000.00	6000.00
, ridescripe	Security Deposit		679684.00	679684.00
	Scholarship for M.Tech HRD Deposit		224875.00	224875.00
	GSLIS		10971.00	10971.00
	Boarding Charges - Hostel		42480.00	42480.00
	Staff Quarters		37535.00	36000.00
	Research Scholar - FIP		170000.00	170000.00
	Tresearch constant in	Total B	1782535.00	1564928.98
3	Other liabilities:	Total B	1702333.00	1304320.30
	Emerging area course fees refundable		2000.00	2000.00
	Service Tax		2000.00	502990.00
	TDS			
	Financial Projects			105965.00 9904498.43
	Cofmow Equipment		81889.00	81889.00
	Tamil Nadu Book House			
	Community hall deposit		2731.00	2731.00
	IOTC		29391.00	29391.00
	Corpus Fund A/c		404000 00	28734513.00
	Project Account 2013-14		104000.00	
	Unutilized Grant		8214248.00	
			14304581.00	
	Salary Deductions Due		122222	1422445.30
	Property Tax payable		130382.00	130382.00
	Audit Fees payable		56290.00	56290.00
	Provision for purchase of balance assets			3963628.00
	ALLUS BY AS PRINT AS A	Total C	22925512.00	44936722.73
4	SUNDRY CREDITORS		35850.00	442678.00
		Total D	35850.00	442678.00
5	Duties and Taxes		66605.00	
		Total E	66605.00	
	Total (A+B+C+D+E)		31691036.00	53730771.71

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निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, National Institute of Technical Teachers Training & Research भारत संस्कार, मानव संसाधन विकास मंत्रालय, Government of India, Ministry of Human Resource Development, तस्मिण, चेन्चई – ६०० १९३ / Chennai - 600 113.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI, CHENNAI - 600 113. FOR THE YEAR 2013-14

SCHEDULE -8 FIXED ASSETS

			ZZ	FIXED ASSEIS					
		GROSS BLOCK	BLOCK		DE	DEPRECIATION	7	NET BL	BLOCK
	Cost/	Additions	Additions	cost/	As at the	Additions	Total at the	As at the	As at the
	valuation as	during the	during the	valuation	beginning of	during the	year end	current year	previous
Costrintion	at beginning	year	year after	during the	the year	year		ended 31,3.14	year ended
	of the	before	Sept	year					31.3.13
	year(Gross)	Sept)
	_	2	ო	4	2	9	7	α	o
Land									
Free Hold	268500			268500				268500	008080
Lease Hold								700007	700007
Lease Hold									
Buildings	78762550	3486173	510480	82759203	37690766	8250396	45941162	74508807	78762660
Plant, Machinery & Equipment	17999638	0	0	17999638	66593793	2699946	69293739	15299692	17000638
Vehicles	473012		0	473012	1276974	70052	13/7026	70000	70000
Furniture & Fixtures	4299594	190930	41000	AFOORA	1 100 17	70007	0.0001	402000	473012
Office Equipmonts	100004	000000	41830	4032014	1881/80	451152	6423143	4081362	4299594
Onice Equipments	1353491	1312460	631499	3297450	932645	298170	1230815	2999280	1353491
Computer Peripherals	8010181	434884	32223	8477288	79445219	4576706	84021925	3900582	8010181
Electrical Installations	151527			151527	341156	22729	363885	128798	151527
Library Books	3461804	0		3461804	4341343	519271	4860614	2942533	3461804
E-Journal			681133	681133	0	340565	340565	340568	C
Smart Classroom Ac	1250670	0	0	1250670	3117528	750402	3867930	500268	1250870
Other Assets	1999683	0	27900	2027583	1285768	302045	1587813	1725538	100062
Computers			1131595	1131595	0	339479	339479	792116	
Total	118030650	5424447	3056820	126511917	200997183	18621812	219618995	107890104	118030650
WIP- Construction of Class Room	72223557	10985943		83209500				83209500	72223557
	190254207	16410390	3056820	209721417	200997183	18621812	219618995	191099604	190254207

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भारत सरकार, मानव संसाधन विकास मंत्रालय, Government of India, Ministry of Human Resource Development बरमागि, चेन्नई - ६०० १९३ / Chennai - 600 113.

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National Institute of Technical Teachers Traning and Research, Taramani, Chennai - 600 113 Schedule attached to and forming part of Balance Sheet as on 31st March 2014 CURRENT ASSETS AND LOANS AND ADVANCES

Schedule - 11

Particulars Particulars Rs P. (A) Current Assets Closing Cash Balance (Permanent advance) Temp Adv (CD-1) Bank Balances Closing Bank Balances Saltson Closing Bank Balances Closing Bank Balances Closing Bank Balances Saltson Closing Bank Balances Saltson Athletic Total A (B) Closing Stock: Total A (B) Closing Stock: Total B (C) Loans and advances: Staff Computer Advance Total B Advances and amount receivable in cash or kind Security deposit with McSe Computer With Court Security Deposit With Court Security Deposit With Court Composit With Telephones Deposit With Telephones Depo	3	chedule – 11		
(A) Current Assets: (Closing Cash Balance (Permanent advance) Temp Adv (CD-1) Bank Balances S Closing Bank Balances S S6852370 126925872.94 14100 3996.00 Athletic 1705a1 A (B) Closing Stock: Postage 177929 10287.00 Electrical Maintenance 141650 147929 10287.00 Electrical Maintenance 141650 141650.00 141660.00 141650.00 141660.			Current Year	Previous Year
Rs.P.	Particulars		13-14	2012-13
A) Current Assets: Closing Cash Balance (Permanent advance) 112600			Pe P	
Closing Cash Balance (Permanent advance)	(A) Current Assets:		173.1	
Temp Adv (CD-1)		1	112600	107600.00
Bank Balances		1		107000.00
Rajin Gandhi National fellowship Athletic 22736 21853.27 271853.27	1 ' '		02.000	
Rajin Gandhi National fellowship Athletic 22736 21853.27 271853.27	Closing Bank Balances		56852370	126925872 94
Athletic Total A 57313306 21853.27 (B)Closing Stock: Postage 17929 10287.00 Electrical Maintenance 41650 41650.00 Building Maintenance 56376 6376.00 (C) Loans and advances: Staff Festival advances 78200 28600.00 Corneyance 390465 466429.00 Flood loan advance 930465 466429.00 Flood loan advance 930465 466429.00 Flood loan advance 930465 38300.00 Chers - Temporary Advances 13893 13893.00 Others - Temporary Advances 70410 70510 7				
B)Closing Stock: Postage 17929 10287.00 10287.00 1650.				
(B)Closing Stock: Postage Postage Building Maintenance Building Maintenance Building Maintenance Building Maintenance Building Maintenance Total B G5955.00 G58313.00 (C) Loans and advances: Staff Festival advances Computer Advance Total B G5955.00 Z8600.00 Persons with Disabilities Total C Advances and amount receivable in cash or kind Security deposit with Industry Security deposit with MES Security Deposit with Court Security deposit with MES Security Deposit with Elephones Deposit with Telephones Deposit with Telephones Deposit with Indian Oil Corporation Deposit with Fuel Firm Security Deposit Post Vehicle Maintenance Deposit with Fuel Firm Security Deposit Post Vehicle Seposit With Fuel Firm Security Deposit		Total A		
Electrical Maintenance	(B)Closing Stock:			127000200.21
Electrical Maintenance	Postage		17929	10287.00
Building Maintenance	Electrical Maintenance			
Total B	Building Maintenance			
C) Loans and advances: Staff Sta		Total B		
Staff	(C) Loans and advances:		00000.00	30313.00
Computer Advance				
Computer Advance	Festival advances		204574	203449.00
Conveyance advances	Computer Advance			
Housing Building advances 390465 466429.00 3800.				
Flood lan advance	Housing Building advances			
Persons with Disabilities				
Others - Temporary Advances 297500.00				
Total C 2116391.00 1102972.00				
Advances and amount receivable in cash or kind Security deposit with Industry Security deposit with Nes Security deposit with MES Security Deposit Security Dep				207000.00
Advances and amount receivable in cash or kind Security deposit with Industry Security Deposit with Court Security Deposit with MES 411969 371170.00 EC Security Deposit 2551 2551.00 ECH Deposit 2551 2551.00 ECH Deposit 1000 1000.00 Deposit with Telephones 108893 103893.00 Deposit with SE PWD 152 152.40 Deposit Vehicle Maintenance 20000 Deposit With Indian Oil Corporation 500 500.00 Deposit with Post Office 100 100.00 Deposit with Post Office 100 17468721.00 Deposit with Full Firm 15000 25000.00 Deposit with Full Firm 15000 25000.00 Deposit with Post Office 100 17468721.00 Deposit with Post Office 100 17468721.00 Deposit with Post Office 100 17468721.00 Deposit with Full Firm 15000 25000.00 Deposit with Post 15000 25000.00 Deposit with Full Firm 15000 25000.00 Deposit with Court 936688 MLNN Deposit 1507128.00 66627362.40 Income Receivable 131303 131303.00 AICTE Summer School 131303 131303.00 AICTE Summer School 131303 131303.00 AICTE Winter School 22332 522332.00 Board of apprenticeship Training 1968 1968.00 Project Account 46686 146686.00 Interest HBA - Accrued 239822 239822.00 Consultancy Charges Receivable 1153497 1153497.00 NPS PF Prepaid Insurance Total E 2247464.00 2200131.00		Total C	2116391.00	1102972 00
Security Deposit with Court Security deposit with MES 411969 371170.00	Advances and amount receivable in cash or kind			
Security Deposit with Court Security deposit with MES 411969 371170.00 EC Security Deposit 2551 2551.00 ECH Deposit 1000 1000.00 Deposit with Telephones 108893 103893.00 Deposit with SE PWD 152 152.40 Deposit Vehicle Maintenance 20000 Deposit with Indian Oil Corporation 500 500.00 Deposit with Post Office 100 100.00 Deposit with PWD 48644000.00 Deposit with PWD 17468721.00 Deposit with Fuel Firm 15000 25000.00 Deposit with Fuel Firm 15000 25000.00 Deposit with Court 936688 MLNN Deposit 10000 10000.00 Income Receivable 131303 131303.00 AICTE Winter School 131303 131303.00 AICTE Winter School 1968 1968.00 Project Account 1968 1968.00 Project Account 239822 239822.00 AICTE Induction Training Programme 146686 146686.00 AICTE Induction Training Programme 14686 146686.00 AICTE Winter School 239822 239822.00 AICTE Hinduction Training Programme 14686 146686.00 AICTE Winter School 1153497 1153497.00 AICTE Hinduction Training Programme 14686 146686.00 AICTE Hinduction Training Programme 146686 146686.00 AICTE Hinduction Training Programme 146686 146686.00 AICTE Hinduction Training Programme 146686 14668	Security deposit with Industry		275	275.00
EC Security Deposit	Security Deposit with Court			
EC Security Deposit	Security deposit with MES		411969	371170.00
ECH Deposit 1000	EC Security Deposit		2551	
Deposit with Telephones 108893 103893.00 Deposit With SE PWD 152 152.40 Deposit Vehicle Maintenance 20000 Deposit With Indian Oil Corporation 500 500.00 Deposit with Post Office 100 100.00 Deposit with PWD 48644000.00 Deposit with PWD 17468721.00 Deposit with Fuel Firm 15000 25000.00 Deposit with court 936688 MLNN Deposit 10000 10000.00 Income Receivable 131303 131303.00 AICTE Summer School 131303 131303.00 AICTE Winter School 522332 522332.00 Board of apprenticeship Training 1968 1968.00 Project Account 146686 146686.00 Interest HBA - Accrued 239822 239822.00 Consultancy Charges Receivable 1153497 1153497.00 NPS PF Prepaid Insurance 51856 55313.00 Total E 2247464.00 2200131.00	ECH Deposit		1000	
Deposit with SE PWD	Deposit with Telephones			
Deposit Vehicle Maintenance	Deposit with SE PWD			
Deposit with Post Office	Deposit Vehicle Maintenance		20000	
Deposit with Post Office	Deposit with Indian Oil Corporation			500.00
Deposit with CPWD	Deposit with Post Office		100	
Deposit with PWD	Deposit with CPWD	1/2/		
Deposit with Fuel Firm	Deposit with PWD			
Deposit with court 936688 10000 10000.00	Deposit with Fuel Firm		15000	
Total D	Deposit with court			2000.00
Total D	MLNN Deposit		10000	10000.00
Income Receivable				
Income Receivable		Total D	1507128.00	66627362.40
AICTE Winter School Board of apprenticeship Training Project Account AICTE Induction Training Programme AICTE Induction Training Programme Indexed Project Account AICTE Induction Training Programme Indexed	Income Receivable			
Board of apprenticeship Training	AICTE Summer School		131303	131303.00
Project Account -50790.00 AICTE Induction Training Programme 146686 146686.00 Interest HBA - Accrued 239822 239822.00 Consultancy Charges Receivable 1153497 1153497.00 NPS PF Prepaid Insurance 51856 55313.00 Total E 2247464.00 2200131.00	AICTE Winter School		522332	522332.00
AICTE Induction Training Programme Interest HBA - Accrued Consultancy Charges Receivable NPS PF Prepaid Insurance Total E 146686 146686.00 146686	Board of apprenticeship Training		1968	1968.00
Interest HBA - Accrued 239822 239822.00			, : 1 -	-50790.00
Consultancy Charges Receivable 1153497 1153497.00 NPS PF Prepaid Insurance Total E 2247464.00 2200131.00			146686	146686.00
Consultancy Charges Receivable 1153497 1153497.00 NPS PF Prepaid Insurance Total E 2247464.00 2200131.00	Interest HBA - Accrued		239822	239822.00
NPS PF Prepaid Insurance 51856 55313.00 Total E 2247464.00 2200131.00			1153497	1153497.00
Prepaid Insurance 51856 55313.00 Total E 2247464.00 2200131.00				
Total E 2247464.00 2200131.00	PF			
Total E 2247464.00 2200131.00	Prepaid Insurance			55313.00
		Total E	2247464.00	
Total A to E SCHEDULE 11 (1) 63250244 197048064.61				
	Total A to E SCHE	DULE 11 (1)	63250244	197048064.61

निवेशक / DIRECTOR
राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संस्थान,
National Institute of Technical Teachers Training & Research
भारत सरकार, मानव संस्थाधन विकास नंतालव,
Government of India, Ministry of Human Resource Development,
तस्त्रीय, चेन्नई - ६०० १९३ / Chennai - 600 113.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH, CHENNAI Schedule attached to and forming part of Balance Sheet as on 31st March 2014 Income Schedules (12-18)

PROFIT/LOSS ACCOUNT

PROFIT/LOSS ACC	20141	
Income from sales/Services		
Staff Quarters Rent	1037987	1186375.0
Guest House Room Rent	2425448	190871.0
Hostel Room Rent	109987	2033622.0
6th Cpc Pay Recovery - Salary	110500	182011.
Sale of Books & CD's	8550	78473.
Rent for Institute premises/Film Shooting charges	20000	45000.
Total SCHEDULE 12	3712472.00	3716352.
Grants Subsidies:	and the fact of the second	
GOI Grants in aid Non plan	103600000.00	93500000.
GOI Grants in aid Plan recurring	11000000.00	18814000.
GOI Grants in aid Plan recurring - sc		
GOI Grants in aid Plan recurring - st	. 9	
GOI Grants in aid Plan (Capital Assets)	1000	1643188.
Total SCHEDULE 13	114600000.00	113957188.0
Fees and subscriptions:		
Application Fees		5500.0
Course Fee	25250	65350.0
IDDS Revenue Reciepts	183900	262450.0
Mtech Admission Fees	52000	20000.0
Mtech (HRD) Tution Fees	120000	150000.0
Phd Admission Fees	1.2000	4000.0
Phd Tution Fees	920000	1042000.0
Total SCHEDULE 14	1301150.00	1549300.0
Income from Investments:		101000.0
Interest on Special Fixed deposit	3068597	3774649.0
Interest on Bank Accounts	1043	1481666.0
Total SCHEDULE 15	3069640.00	5256315.0
Income from Royalty and publications	00000 10.00	0200010.0
Royalty	174833	145165.2
Journal of Technical and vocational education	174035	143103.2
Total SCHEUDLE 16	174833.00	145165.2
Interest earned:	174033.00	143103.2
Interest earned. Interest on Conveyance advance	21136	65141.0
Interest on Conveyance advance	21130	03141.0
Interest of House building advance		11, 11 7 3 16 12 0
Total SCHEDULE 17	21136.00	65141.0
Other Income	21130.00	65141.0
	110416	05460.0
Misc Revenue Receipts	119416	95462.0
ISPA Conference	101001	740400
License Fees	124964	71343.0
Tender Fees	9895	3120.0
National Workshop	700000	(1) Turning
Institute overhead - project	796046	
OTC income	11829388	
project receipts		
IDDS	363900	46889.0
4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Total SCHEDULE 18	13243609.00	216814.00

Total Schedule 12 to 18

136122840.00

124906275.27

निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संरथान, National Institute of Technical Teachers Training & Research भारत पारकार, मानव संराधन विकास मंत्रालय, Government of India, Ministry of Human Resource Development, तस्मग्रि, चन्नई – ६०० १९३ / Chennai - 600 113.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI Schedule attached to and forming part of Balance Sheet as on 31st March 2014 SCHEDULE 20 TO SCHEDULE 22

	SCHEDULE 20 TO S		D : 1/
Sch.		Current year	Previous Year
No.	Particulars	13-14	2012-13
20	Establishment Expenses		
	Salaries and Wages	64906740	62396300.00
	Leave Travel Concession	88130	328401.00
	Children Educational Allowance	783680	856722.00
	Medical Reimbursement	1732178	1667087.00
	Professional Development Expenses	613759	286621.00
	Misc. Expenditure	5 - Kan Si 12 1 and 12 1 and	
	Commutation of Pension	918086	3203471.00
	Pension Paid	23155521	21819661.00
	DCR Gratuity	1998415	3009153.00
	EL Encashment	1320172	2734646.00
	Adhoc Bonus	227388	249263.00
	LS & PC to AG Audit		409584.00
	Total SCHEDULE 20	95744069.00	96960909.00
21	Other Administrative Expenses		
	Advertisement	425537	42637.00
	Audit Fees	136310	12007.00
	Building Maintenance (Non Plan)	100010	-6046.00
	Contingencies & Bank Charges	553632	531677.00
	Electrical /AC Maintenance	1311690	1529230.00
	Repair & Mainteance	293668	1020200.00
	Vehicle Maintenance	223859	232129.00
1 . 1	Electricity Charges	2959664	3621110.00
	Guest House Expenditure	308070	234331.00
	Misc Expenditure	1340733	201001.00
	Hostel Expenditure	332923	51345.00
	Insurance	36722	32709.00
1	Inter Sports Meet	00,22	261702.00
	Interest on Service Tax	33541	201702.00
	Legal Charges	2219900	1175400.00
1	Postage	84277	80328.00
	Telephone and Trunk Calls	309305	299704.00
- 1	Property Tax	130382	130382.00
- 1	Security Charges	1448926	1768590.00
	Service Tax Paid	640186	405988.00
1	Traveling/Conveyance	439301	376571.00
	Water Charges	1167749	689256.00
- 1	Water Tax	130382	
- 1		130382	56392.00
	Republic Day Celebrations		
	Total SCHEDULE 21	14526757.00	11513435.00

	T		
22	Expenditure on Grants, Subsidies etc.		
	Capital Expenditure		
	Staff Development Programme	7333577	9346019.00
	Stipend to Apprenticeship Trainees	40177	41950.00
	Building Maintenance (Plan)	4421416	2185323.00
	Development Expenses	1425662	1054785.00
	Documentation		-
	Periodicals	78407	15220.00
	Printing & Stationery	371993	216969.00
	Maintenance of Lab / Office Equipments	1356738	1430309.00
	Research Fellowship	213000	1869578.00
	Journal of Technical & Vocational Education		-
	Remuneration to Guest Lecturers	158750	302500.00
	Consumbales for Lab	5296	33912.00
	WIDDS	426090	2173294.00
	Natioinal Skill Development (plan)		2810.00
	Web Charges	184328	211738.00
	IDDS	526175	
	Inter Sports Meet	149625	
	Audit fees		-50000.00
	TOTAL SECHEDULE 22	16691234.00	18834407.00

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निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संरथान, National Institute of Technical Teachers Training & Research भारत संरकार, मानव संसाधन विकास मंत्रालय, Government of India, Ministry of Human Resource Development, तरमणि, चेन्नई - ६०० १९३ / Chennai - 600 113,

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

Balance Sheet as on 31.03.2014

निस्थाक / DIRECTOR सम्द्रीय सकनीकी शिवाक प्रशिक्षण एवं अनुपंचान संग्यान, National Institute of Technical Teachers Training & Reseata National Institute of Technical Teachers Training & Reseata अगरत संग्रमान संग्राचन विकास मंत्राच्य, अगरत संग्रमान संग्राचन विकास मंत्राच्य, Government of India, Ministry of Human Resource Development सरमाण, बेन्नुंड – ६०० १५३ / Chennai - 600 113.

National Institute of	National Institute of Technical Teachers Training and Research	ing and Research	
EL .	Taramani, Chennai - 600 113		
Ove	Overseas Training Course (OTC)	(O	
Income & Expendi	Income & Expenditure Account for the year ended 31.03.2014	nded 31.03.2014	
	2013-2014		2042 2044
Books & Periodicals			2013-2014
OTC Expanses		Project Receipts	22233250
	706757	706757 Interest Bank	1298065
	761951	761951 Living allowance	70719
D EMDG	2902555	2902555 Prior Period Income	V0V9&VC
	707809		10012
MLPM-VI	2283610		
Guest House Boarding & Lodging	500000		
SDEM Batch	000		
	1753006		
Travelling & Conveyance	315243		
WELLVE	1265868		
WQA-1 Batch	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
OTC Disallowed	0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Excess of Income over Exacts	6176001		
Experiging over Experiging	11989417		
T-4-7			
וסומן	26088528	Total	26088528
			4000000

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संस्थान, National Institute of Technical Teachers Training & Research भारत सरकार, मानव संसाधन विकास मंत्रात्व, Government of India, Ministry of Human Resource Development, तरमीश, चेन्नई – ६०० १९३ / Chennai - 600 113.

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

Overseas Training Course (OTC)

Receipts & Payment April 2013 to 31st March 2014

Receips	2013-2014	Payment	2013-2014
Bank Account Cash - in - hand Duties & Taxes OTC Receipts Interest Bank NITTTR Contributionh Living Allowance	23114640.00 373530.00 3280.00 24719744.00 1298065.00 1114570.00	23114640.00 Duties & Taxes 373530.00 Sundry Creditors 3280.00 Temporary Advance 24719744.00 OTC expenses 1298065.00 Bank Accounts 1114570.00 Cash in-hand 70719.00	2789.00 327843.00 10141513.00 39113213.00 1109190.00
Total	50694548.00	Total	50694548 00

Anguspla

निदेशक / DIRECTOR सक्षीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, National Institute of Technical Teachers Training & Reseach भारत सरकार, मानव संसाधन विकास मंत्रास्य, Government of India, Ministry of Human Resource Development, तस्काग़, बेन्नई – ६०० ९९३ / Chemmai – 600 113.

National Institute of Technical Teachers Training and Research Taramani, Chennai - 600 113 Project Account Balance Sheet for the year ended 31.03.2014

Amount	R P	2013-14	14512.00	6456807.00 306800.00 68500.00		1207558.00 753660.00 540284.00		
C+LCCC<	ASSELS		Reserves & Surplus	Indian Overseas Bank LC Project SDR Temporary Advance	Project 2011-12	43-CEM/RAY/CPE/SMOH/2011-12 41-CEM/RAY/TRY/SMOH/2011-12 776634 00 40-CEM/RAY/TVL/SMOH/2011-12	94080.00 Excess of expenditure over income	ित्देशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिषण एवं अनुसंघान संस्थान, National Institute of Technical Teachers Training & Research भगरत सर्थागर, मान्य संज्ञाचन विकास मंत्रात्म, Government of India, Ministry of Human Resource Development, तस्मींग, चेन्नई – ६०० १९३ / Chennai - 600 113.
Amount	Rs. P.	2013-14	24833.00	120528.00	287481.00	776634.00	94080.00	60297.00 60297.00 191458.00 417133.00 834730.00 158336.00 975403.00 28496.00 1000000.00 7252.00 79737.00 997250.00 79737.00 997250.00 781691.00 500775.00 10440.00 812674.00
LIABILITIES		01-TNPL/SMOH/2009-10	02-TNPCB/SMOH/2009-10 03-RAMKAY/SMOH/2009-10	04-ELECTRO/SMOH/2009-10 05-PWD/SMOH/2009-10 06-MKU/TGS/2009-10 07-CGWB/SMOH/2009-10	08-ABN/MOH/2009-10 09-MOEF.EAC/SMOH/2009-10 10-TNPL-2/SMOH/2009-10	11-TNRSP/SMOH/2009-10 12-NLC/SMOH/2009-10 13-ETETTTS/SMOH/2009-10 Project 2010-11	16-1 NSCB.RAY/SMOH/2010-11 17-TNWML/P2/SMOH/2010-11	18-DPDOTM/SMOH/2010-11 19-ECMMWD/SMOH/2010-11 20-DWPDCICT/SMOH/2010-11 24-DPR/BOAT/SMOH&VT/2010-11 25-DPF/LAK.SDP/SMOH/2010-11 30/Nic-GWM/SMOH/10-11 31-CEM/LT.02/SMOH/2011-12 32-PWD/DIS.NR/L1/SMOH/2011-12 33-NCP/SDP/CDC/2011-12 35-CEM/LT&JAR/SMOH/2011-12 36-CEM/SPAC.EIA/SMOH/2011-12 44-TNRSP/CSP/SMOH/2011-12 46-CEM/TNRSP_TRG/SMOH/2011-12 46-CEM/TNRSP_TRG/SMOH/2011-12 50-CEM/SDP/SMOH/2011-12 51-CEM/RITES/SMOH/2011-12 51-CEM/RITES/SMOH/2011-12 52-TNSCP/ORT/SMOH/2011-13

54-TNSCB-VOL-3/SMOH/2012-13	210072.00		
55-TNSCB-VOL-3/SMOH/2012-13	73970.00		
56-RITES-II/SMOH/2012-13	43764.00		
Project 2013-14			
57-RITES-II/SMOH/2012-13			
58-/srd/tnpcb-msw/smoh/13-14	388788.00		
59/icp/cem/tnpcb-exam/smoh/13-14	108416.00		
61/icp/tnpcb-tr/cem/13-14	4309.00		
sundy creditors			
NITTR	750.00		
Duties and taxes	4232.00		2
Excess of Income over Expenditure	178064.00		
Total	9348121.00	Total	9348121.00

मिदेशक / DIRECTOR राष्ट्रीय तकनीयी शिक्षक प्रशिक्षण एवं अनुसंधान संरधान, National Institute of Technical Teachers Training & Research भारत सरकार, सानव संसाधन विकास मंत्राख्य, Government of India, Ministry of Human Resource Development तरमाण, केन्यई – ६०० १५३ / Chennai - 600 113.

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

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	Amount		Amount
Expenditure	Rs.	Income	, w
	2013-2014		2013-2014
Project Expenses LC Opening charges Excess of Expenditure over Income	6393	Interest Fixed Deposit (LC FD)	184457
	184457		184457

Monigne

पष्टीय तकनीकी शिक्षक / DIRECTOR
National Institute of Technical Teachers प्रत्याम संस्थाम,
भारत संस्कार, मानव संसाधन विकास मंत्रास्य,
Government of India, Ministry of Human Resource Development, वेन्यई - ६०० १९३ / Chennai - 600 113.

National	nstitute of Technica	al Teachers Trainir	National Institute of Technical Teachers Training and Research, Taramani, Chennai - 600 113	nai - 600 113	
		Project Account	ccount		
		Receipts & Payments 1st April 2013 to 31st March 2014	Payments 31st March 2014		
Receipts	2013-14	2012-13	Payments	2013-14	2012-13
Bank Accounts	7417321.00	7591556.00	7591556.00 Duties & Taxes	186304.00	
Cash-in-hand	61500.00	596000.00	596000.00 Sundry Creditors	1387985.00	
			FY 2009-10 Projects	1142856.00	427603.00
Duties & Taxes	77886.00		FY 2010-11 Projects	1968741.00	487212.00
FY 2010-11 Projects	2437783.00	644184.00	644184.00 FY 2011-12 Projects	2604574.00	4961039.00
FY 2011-12 Projects	3418396.00	4192522.00	4192522.00 FY 2012-13 Projects	269040.00	313417.00
FY 2012-13 Projects	252810.00	658342.00	658342.00 FY 2013-14 Projects	590773.00	
FY 2013-14 Projects	1138620.00		Bank Charges		1500.00
0			LC CHARGES	6393.00	105563.00
SDR INTEREST	184457.00	92551.00	92551.00 Project Expenses		
निदेशक / DIRECTOR			Bank Accounts	6763607.00	7417321 00
nevitati संस्थान आरोकाण एवं अनुस्थान सर्यान, nstitute of Technical Teachers Training & Research रत स्रवाहार मानव संस्थान विकास स्थापन			Cash-in-hand	68500.00	61500.00
g l					
Total	al 14988773.00	13775155.00	Total	14988773.00	13775155.00

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH

Taramani P.O., Chennai - 600 113.

Accounting Principles

Schedule 24. Significant Accounting Policies

- 1. The financial statements of this institution (viz. Balance sheet and Income and expenditure account) are prepared mostly on cash basis.
- 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 four sets of accounts with proper schedules for NITTTR, OTC, Projects and Provident Funds 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 cash basis.
- 6. The value of land is not known as the state Government has not assigned the land to the institute.

निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संरथान, National Institute of Technical Teachers Training & Research धारत संरकार, मानव संसाधन विकास संज्ञालय, Government of India, Ministry of Human Resource Development, तरवणि, धेनाई - ६०० १९३ / 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.3,06,800/-
- 2. Disputed demand in respect of
 - 2.1 Income Tax Rs.Nil
 - 2.2 Sales Tax Rs. Nil
 - 2.3 Property Tax R.Nil
- 3. 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 existing 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

- 4. Corresponding figures for the previous year have been regrouped/ rearranged whenever necessary.
- 5. Schedules 1 to 25 are annexed to and form as integral part of the Balance sheet as at 31.03.2014 and Income and Expenditure.
- NPS amount with interest are being uploaded and will be remitted shortly in NSDL account.
- 7. Financial statements are prepared on cash basis.
- 8. The Interest on deposits are accounted on cash basis.

निदेशक / DIRECTOR

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंघान संस्थान, National Institute of Technical Teachers Training & Research भारत सरकार, मानव संसाधन विकास नेत्रालय,

Government of India, Ministry of Human Resource Development, বিদ্যালয় – ২০০ ৭৭३ / Channai - 600 113.

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 2013-14 - NON - PLAN (SALARY)

FINAL

SI.	Lr.No. and Date	Amount	Certified that out of Rs.6,60,00,000/- of Grant
No		Rs.	in-aid sanctioned during the year 2013-14 in
1	Lr.No.6-8/2013	1,50,00,000	favour of Director, NITTTR, Chennai under this
77.5	TS.IV,dt:12.06.2013	.00	Ministry /Department Letter No. given in the
2	Lr.No 6-8/2013	1,60,00,000	margin and Rs.46,75,162/- on account of
	TS.IV,dt 30.08.2013		unspent balance of the previous year, a sum of
3	Lr.No.6-8/2013	2,50,00,000	Rs.6,52,54,546/- has been utilized for the
	TS.IV,dt:18.12.2013		purpose of meeting the Non- Plan (Salary)
4	Lr.No.6-8/2013	1,00,00,000	expenditure for which it was sanctioned and
	TS.IV,dt:25.03.2014		that the balance of Rs.54,20,616/- remaining
			unutilized Non-Plan (Salary) Grant will be
	Total	6,60,00,000	adjusted towards the Grant-in-aid payable
			during the next year 2014-15.

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

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान, National Institute of Technical Teachers Training & Research भारत सरकार, मानव संसाधन विकास महालय, Government of India, Ministry of Human Resource Development, तस्मणि, चेन्नई - ६०० १९३ / Chennai - 600 113.

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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 2013-14 – NON – PLAN (GENERAL)

FINAL

SI.	Lr.No. and Date	Amount	Certified that out of Rs.3,76,00,000/- of Grant
No		Rs.	in-aid sanctioned during the year 2013-14 in
1	Lr.No.6-8/2013	60,00,000	favour of Director, NITTTR, Chennai under this
	TS.IV,dt:12.06.2013		Ministry /Department Letter No. given in the
2	Lr.No 6-8/2013	90,00,000	margin and 17,73,488/- on account of unspent
	TS.IV,dt 30.08.2013	e or the second	balance of the previous year, a sum of
3	Lr.No 6-8/2013		Rs.3,04,89,523/- has been utilized for the
	TS.IV,dt 18.12.2013	1,20,00,000	purpose of meeting the Non- Plan (General)
	na tra	2 1 1 1 2 2 2 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 2 1 1 2	expenditure for which it was sanctioned and
4	Lr.No 6-8/2013	1,06,00,000	that the balance of Rs. 88,83,965/- remaining
	TS.IV,dt 25.03.2014		unutilized Non-Plan (General) Grant will be
			adjusted towards the Grant-in-aid payable
		en jesikas i Podrben stoo	during the next year 2014-15
	Total	3,76,00,000	et sancoug artiso), cesilis gligos i como di portido

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

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पहिंचक / DIRECTOR
राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान,
National Institute of Technical Teachers Training & Research
भारत सरकार, मानव संसाधन विकास मंत्रालय,
Government of India, Ministry of Human Resource Development,
तस्मीन, चेन्नई – ६०० १९३ / Chennai - 600 113.

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 2013-14 – PLAN GENERAL (RECURRING)

FINAL

SI. No	Lr.No. and Date	Amount Rs.	Certified that out of Rs. 1,10,00,000/- of
1	Lr.No.6-9/2013 TS.IV, dt: 03.09.2012 (General) Rs.23,41,000 (SC) Rs. 4,50,000 (ST) Rs. 2,09,000	30,00,000	Grant-in-aid sanctioned during the year 2013-14 in favour of Director, NITTTR, Chennai under this Ministry/ Department Letter No. given in the margin and
2	Lr.No.6-9/2012 TS.IV, dt: 18.12.2013 (General) Rs.39,02,000 (SC) Rs. 7,50,000 (ST) Rs. 3,48,000	50,00,000	Rs.59,31,179/- on account of unspent balance of the previous year, a sum of Rs.1,66,91,234/- has been utilized for the purpose of meeting the Plan (General)
3	Lr.No.6-9/2013 TS.IV, dt: 26.03.2014 (General) Rs.23,41,000 (SC) Rs. 4,50,000 (ST) Rs. 2,09,000	30,00,000	that the balance of Rs.2,39,945/- remaining unutilized Plan (General) Grant will be adjusted towards the Grant-in-aid payable
	Total	1,10,00,000	during the next year 2014-15.

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

Kinds of checks exercised

1. Monthly Expenditure

2. Quarterly Expenditure

3. Bank Reconciliation

Ananopel

निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान, National Institute of Technical Teachers Training & Research भारत सरकार, मानय संसाधन विकास संभारत, Government of India, Ministry of Human Resource Development,

तरमणि, येन्नई - ६०० १९३ / Chennai - 600 113.

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 2013-14 – PLAN CAPITAL ASSETS (NON-RECURRING)

FINAL

SI. No	Lr.No. and Date	Amount Rs.	Certified that out of Rs. 3,07,39,000 /- of Grant-in-aid
1	Lr.No.6-9/2013 TS.IV, dt: 03.09.2013 (General) Rs.1,92,89,000 (SC) Rs. 37,56,000 (ST) Rs. 19,55,000	2,50,00,000	sanctioned during the year 2013-14 in favour of Director, NITTTR, Chennai under this Ministry / Department Letter No. given in the margin and Rs.1,28,88,790/-* on account of unspent balance of the previous year, and a sum of
2	Lr.No.6-9/2013 TS.IV,dt:26.03.2014 (General) Rs. 46,29,000 (SC) Rs. 8,95,000 (ST) Rs. 2,15,000	57,39,000	Rs.4,28,37,267/- has been utilized for the purpose of meeting the Plan (Capital Assets) expenditure for which it was sanctioned and that the balance of Rs.7,90,523/- remaining unutilized Plan Grant (Capital Assets) will be adjusted towards the
	Total	3,07,39,000	Grant-in-aid payable during the next year 2014-15.

*Opening Balance as on 01 04 2013 - Rs.59,29,236/-Amount received from the PWD being - Rs.69,59,554/the unspent balance of deposit

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

Kinds of checks exercised

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

Smanaped,

निदेशक / DIRECTOR
राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान,
National Institute of Technical Teachers Training & Research
भारत सरकार, मानव संसाधन विकास मंत्रालय,
Government of India, Ministry of Human Resource Development,
तरमणि, चेन्नई – ६०० १९३ / Chennai – ६०० १९३.

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

PROVIDENT FUND ACCOUNTS 2013-14

P

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

Provident Fund Account Balance Sheet as on 31.03.2014

LIABILITIES	Amount Rs. P.	Amount Rs P	ASSETS		Amount	Amount
Subscribers Account		100			Rs. P.	Rs. P.
GPF Balance as on 01 04 13	25 700 475 70	,	Temporary Advance			
ADD: Scientific and included the second of t	25,780,475.76		GPF Balance as on 01.04.13		1,955,092.30	
Add: Internation of Charles	6,132,812.00		Add: Advance during 2013-14		1,651,363.00	
Add. mierest on Subscription	1,807,211.00				3,606,455.30	
	32 730 400 76					
Less: Part / Final Payment	4 232 822 00		Less: Recovery of Advances		1,105,379.00	
Less: Advance converted as part/final pay	181,804.00	29,315,872.76	Less: Advance converted as part/final pay		181,804.00	2,319,272.30
			CPF balance as on 01.04.2013			6,816.00
NPS as on 01.04.2013	5,682,665,00					
Add: Subscription during 2013-14	295,605.00		GOPF			
Add: Interest on Subscription						32,472,634.41
			I) In Saving account		4047509.41	
		5978270.00	5978270.00 ii) In deposit account		28425125.00	
L			Special Deposit - IOB	2804732 00		
Orr Unclaimed Balance		3,286.45	Special Deposit - SBI	2620393.00		
			RDP - IOB	7000000.00		
Linployers Contribution		-231862.00	STD - IOB	4000000.00		
Undaimed Balance			Short Term Deposit - IOB	8000000000		
		11,170.00	Short Term Deposit - IOB	4000000.00		
Exc. Of Inc. over Exp.01.04.2013	3335863.50		м а.			
Add: Excess of income over expenditure	00 47374 00)		77	4508549.00
	084671.00	4230534.50	4230534.50 i) In Saving account		508549.00	
			ii) In deposit account		4000000.00	
		3930727171				
		11.11				20207074 74

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निदेशक / DIRECTOR
राष्ट्रीय सकनीकी शिवक प्रशिक्षण एवं अनुसंधान संस्थान,
National Institute of Technical Teachers Training & Research
भारत सरकार, मानव संस्थायन विकास नेतास्य,
-Government of India Ministy of Human Resource Development,
सरमग्रिः, चेस्तई – ६०० १९३ / Chennai – 600 113.

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

Income & Expenditure Account for the year ended 31.03.2014 **Provident Fund Account**

Expenditure	Amount	Amount	lncome	Amount	Amount
	Rs. P.	Rs. P.		Rs. P.	Rs. P.
Interest credited to Subscribers A/c			Income from Investments		
GPF		1,807,211.00	1,807,211.00 IOB Special Deposit	228,630.00	
			SBI Special Deposit	244,012.00	472,642.00
Excess of Income over Expenditure		894,671.00			
			Income from Investments		
			Interest on Short Term Deposit		
			GPF	1,816,133.00	
			SdN	216,906.00	216,906.00 2,033,039.00
			Interest on SB A/c		
			GPF	144,372.00	
			NPS	51,829.00	196,201.00
		2,701,882.00			2,701,882.00

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Government of India, Ministry of Human Resource Development निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संरथान, National institute of Technical Teachers Training & Reseas सरमित, धेन्नई - ६०० १९३ / Chennai - 600 113. भारत सरकार, मान्य संसाधन विकास मंत्राक्षय,

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

Provident Fund Account Receipts & Payments Account for the year ended 31.03.2014

Receipts		Amount	Amount	Downer		Amount	Amount
		KS. P.	Rs. P.			Rs. P.	Rs. P.
Opening Balance GPF i) In Saving account			28,685,481.41 GPF	Temporary Advances GPF			1 651 363 00
ii) In deposit account Special Deposit - 108	2 804 722 00	4,250,356.41 24,425,125.00		Part/Final Payment from Sub.			
Special Deposit - SBI RDP - 108	2,620,393.00			GPF-Part Final withdrawal Final withdrawal		3,524,500.00	4.232.822.00
STD-10B	4,000,000.00						
Short Lerm Deposit - IOB	8,000,000.00			Closing Balance			
NPS i) In Saving account			3 944 209 00	i) In Saving account		4,047,509.41	32,472,634.41
Subscription			0.001,1000	Special Deposit - 10B		28,425,125.00	
GPF NPS		6,132,812.00		Special Deposit - SBI RDP - IOB	2,620,393.00		
				Short Term Deposit - IOB	8,000,000,00		
GPF			7 0 0 0	Short Term Deposit - IOB	4,000,000.00		
Income from Investments			0.878,501,1 n (i)	NPS i) In Saving account	000		4,508,549.00
GPF - Int. on SBI Spl. Dep.		228,630.00 244,012.00	472,642.00	472,642.00 ii) In deposit account	4,000,000.00		
GPF - Int. on Short Term Dep. NPS - Int. on Short Term Dep.		1,816,133.00	2,033,039.00				
GPF - Interest on SB A/c NPS - Interest on SB A/c		144,372.00	196,201.00				
			42,865,368.41				42,865,368.41

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निदेशक / DIRECTOR राष्ट्रीय तकनीकी शिक्षक / DIRECTOR National Institute of Technical Teachers Training & Research भारत संस्थान, भानव संसाधन विकास नजात्व, Government of India, Ministry of Human Resource Development, तस्त्रीं, फ्रेन्सई - ६०० ११३ / Chemnai - 600 113,

