

ANNUAL REPORT

(including annual accounts)

2012-13



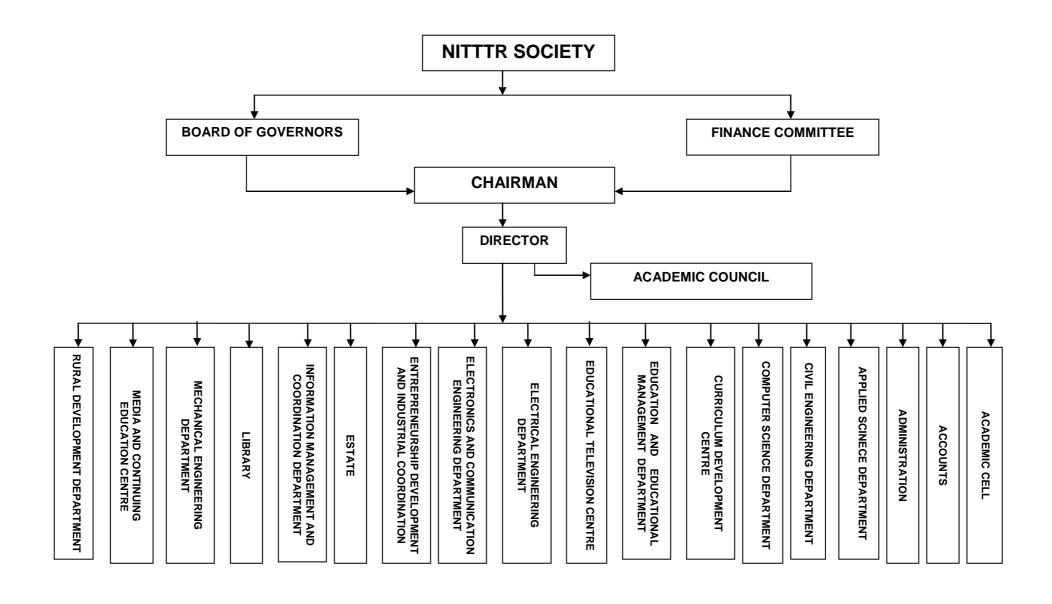
NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR – 26, CHANDIGARH –160 019 (INDIA)

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ORGANISATIONAL STRUCTURE OF NITTTR CHANDIGARH



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LIST OF MEMBERS OF THE NITTTR CHANDIGARH SOCIETY AS ON 31.03.2013

Sr. No.	Name and Designation with full address	Status
1.	Dr. K.K. Talwar Chairman, Board of Governors, NITTTR, Sector 26, CHANDIGARH - 160 019	Chairman
2.	Ms. Sarita Mittal Joint Secretary and Financial Adviser (IFD), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
3.	Shri N.K. Sinha Additional Secretary (TEL), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
4.	Shri B. Purushartha, IAS Director, Technical Education and Industrial Training, Punjab, Takniki Shiksha Bhawan, Plot No.1, Sector 36-A, CHANDIGARH – 160 036	Member
5.	Dr. K.P. Isaac Member Secretary, All India Council for Technical Education, 7 th Floor, Chander Lok Building, Janpath, NEW DELHI – 110 001	Member
6.	Shri Ajay Jain, IAS Commissioner, Department of Technical Education, 5 th and 6 th Floor, BRKR Bhawan, Tankbund Road, Saifabad, HYDERABAD (Andhra Pradesh) – 500 063	Member

Sr. No.	Name and Designation with full address	Status
7.	Shri Avtar Singh, IAS Director General, Technical Education, Haryana, Bay No.7-12, Sector 4, PANCHKULA (Haryana) - 134 109	Member
8.	Dr. Manoj Datta Director PEC University of Technology Sector 12, CHANDIGARH – 160 012	Member
9.	Dr. Atul Bora Director, Technical Education, Kahilipara, GUWAHATI (Assam) – 781 019	Member
10.	Shri Lal Mal Sawma, IAS Principal Secretary, Govt. of NCT of Delhi Department of Training and Technical Education, Muni Maya Ram Marg, Near TV Tower, Pitam Pura, DELHI – 110 088	Member
11.	Dr. M.P. Poonia Director, National Institute of Technical Teachers Training and Research, Sector 26, CHANDIGARH – 160 019	Member Secretary

LIST OF MEMBERS OF THE BOARD OF GOVERNORS OF NITTTR, CHANDIGARH AS ON 31.03.2013

Sr. No.	Name and Designation with full address	Status
1.	Dr. K.K. Talwar Chairman, Board of Governors, NITTTR, Sector 26, CHANDIGARH - 160 019	Chairman
2.	Ms. Sarita Mittal Joint Secretary and Financial Adviser (IFD), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
3.	Shri N.K. Sinha Additional Secretary (TEL), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
4.	Dr. N. Sathyamurthy Director, Indian Institute of Science Education and Research, Sector 81, Post Office Manauli, SAS Nagar, MOHALI – 140 306	Member
5.	Shri B. Purushartha, IAS Director, Technical Education and Industrial Training, Punjab, Takniki Shiksha Bhawan, Plot No.1, Sector 36-A, CHANDIGARH – 160 036	Member

Sr.	Name and Designation with full address	Status
No. 6.	Shri S.P. Oswal, Chairman, Vardhman Group of Companies, LUDHIANA (Punjab) - 141001	Member
7.	Dr. K.P. Isaac Member Secretary, All India Council for Technical Education, 7 th Floor, Chander Lok Building, Janpath, NEW DELHI – 110 001	Member
8.	Shri Ajay Jain, IAS Commissioner, Department of Technical Education, 5 th and 6 th Floor, BRKR Bhawan, Tankbund Road, Saifabad, HYDERABAD (Andhra Pradesh) – 500 063	Member
9.	Shri Avtar Singh, IAS Director General, Technical Education, Haryana, Bay No.7-12, Sector 4, PANCHKULA (Haryana) - 134 109	Member
10.	Dr. Manoj Datta Director PEC University of Technology Sector 12, CHANDIGARH – 160 012	Member
11.	Dr. Atul Bora Director, Technical Education, Kahilipara, GUWAHATI (Assam) – 781 019	Member
12.	Shri Lal Mal Sawma, IAS Principal Secretary Govt. of NCT of Delhi Department of Training and Technical Education, Muni Maya Ram Marg, Near TV Tower, Pitam Pura, DELHI – 110 088	Member

Sr. No.	Name and Designation with full address	Status
13.	Dr. J.S. Saini Prof. and Head, Rural Development Department, National Institute of Technical Teachers Training and Research, Sector 26, CHANDIGARH – 160 019	Member
14.	Dr. M.P. Poonia Director, National Institute of Technical Teachers Training and Research, Sector 26, CHANDIGARH – 160 019	Member Secretary

LIST OF MEMBERS OF THE FINANCE COMMITTEE OF NITTTR, CHANDIGARH AS ON 31.03.2013

Sr. No.	Name and Designation with full address	Status
1.	Dr. K.K. Talwar Chairman, Board of Governors, NITTTR, Sector 26, Chandigarh - 160 019	Chairman
2.	Ms. Sarita Mittal Joint Secretary and Financial Adviser (IFD), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
3.	Shri N.K. Sinha Additional Secretary (TEL), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, NEW DELHI – 110 115	Member
4.	Dr. N. Sathyamurthy Director, Indian Institute of Science Education and Research, Sector 81, Post Office Manauli, SAS Nagar, MOHALI – 140 306	Member
5.	Dr. M.P. Poonia Director, National Institute of Technical Teachers Training and Research, Sector 26, CHANDIGARH – 160 019	Member Secretary

LIST OF MEMBERS OF THE ACADEMIC COUNCIL AS ON 31.03.2013

Sr. No.	Name and Designation with full address	Status
1.	Dr. M P Poonia Director, NITTTR, Sector - 26, CHANDIGARH - 160 019	Chairman
2.	Dr. N Sathyamurthy Director, Indian Institute of Science Education and Research, Sector 81, Post Office Manauli, SAS Nagar, MOHALI - 140 306	Member
3.	Dr. I K Bhat Director, Malaviya National Institute of Technology, JAIPUR - (Rajasthan)	Member
4.	Dr. Ashok Chitkara Chancellor, Chitkara University, Brotiwala DISTRICT SOLAN (HP)	Special Invitee
5.	Dr. M M Malhotra, (former Principal, TTTI, Chandigarh) H.No. 647, Sector 8, PANCHKULA (Haryana)	Special Invitee
6.	Registrar Panjab University, Sector 14, CHANDIGARH - 160 014	Special Invitee
7.	Dr. S S Pattnaik Professor and Head, Educational Television Centre, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
8.	Dr. S Chatterji Professor and Head, Electrical Engineering Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member

Sr. No.	Name and Designation with full address	Status
9.	Dr. J S Saini Professor and Head, Rural Development Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
10.	Dr. D D Sharma Professor and Head, Entrepreneurship Development and Industrial Co-ordination Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
11.	Dr. SBL Sachan Professor and Head, Electronics and Communication Engineering Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
12.	Dr. B S Pabla Professor and Head, Mechanical Engineering Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
13.	Dr. S S Banwait Professor, Mechanical Engg. and Professor-Incharge, ME / Ph.D. Programmes NITTTR, Sector-26, CHANDIGARH - 160 019	Member
14.	Dr. (Mrs.) S P Bedi Professor and Head, Education and Educational Management Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member

Sr. No.	Name and Designation with full address	Status
15.	Dr. A B Gupta Professor and Head, Curriculum Development Centre, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
16.	Dr. Sanjay Sharma Professor and Head, Civil Engineering Department NITTTR, Sector-26, CHANDIGARH - 160 019	Member
17.	Dr. Suresh Dhameja Professor and Head, Information Management & Co-ordination Department NITTTR, Sector-26, CHANDIGARH - 160 019	Member
18.	Dr. Rakesh Wats Associate Professor and Faculty Incharge Media and Continuing Education and Administration, NITTTR, Sector 26, CHANDIGARH - 160 019	Member
19.	Dr. Sunil Dutt Associate Professor and Faculty Incharge, Academic Cell, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
20.	Dr. (Mrs.) Maitreyee Dutta Associate Professor and Faculty Incharge, Computer Science Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
21.	Dr. B C Choudhary Associate Professor and Faculty Incharge, Applied Science Department NITTTR, Sector 26, CHANDIGARH - 160 019	Member

Sr. No.	Name and Designation with full address	Status
22.	Shri Manmohan Singh, Senior Librarian (Acting Chief Librarian) NITTTR, Sector-26, CHANDIGARH - 160 019	Member
23.	Mrs. Poonam Syal Associate Professor, Rural Development Department, NITTTR, Sector-26, CHANDIGARH - 160 019	Member
24.	Dr. Lini Mathew Associate Professor, Electrical Engineering Department NITTTR, Sector-26, CHANDIGARH - 160 019	Member
25.	Mrs. Shano Solanki Assistant Professor, Computer Science Department, NITTTR, Sector -26, CHANDIGARH - 160 019	Member
26.	Er. Amit Doegar Assistant Professor Computer Science Department, NITTTR, Sector -26, CHANDIGARH - 160 019	Member
27.	Dr. (Ms.) P K Tulsi Professor, Education and Educational Management Department, NITTTR, Sector-26,	Member Secretary

CHANDIGARH - 160 019

1.0 THE INSTITUTE

National Institute of Technical Teachers Training and Research, Chandigarh, formerly known as Technical Teachers Training Institute (TTTI), was established in 1967 to meet the requirements of training polytechnic teachers for the growth and development of polytechnic education in the northern region of the country. It had the collaboration of Royal Netherlands Government upto 1974. The institute ushered a new era in November 2003, with its changed name and enhanced status as National Institute of Technical Teachers Training and Research (NITTTR). It is one of the four such national institutes in the country with focus on the northern region comprising the states of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, National Capital Territory of Delhi and Union Territory of Chandigarh. Presently, the outreach of the programmes and activities of the institute covers the entire gamut of technical education. It is now reckoned as a resource institute for the technical education system providing services to its clientele covering faculty/staff of technical institutions, officials of directorates/boards of technical education, central and state government departments, industry, students from technical institutes, community and trainees from overseas. NITTTR, Chandigarh is an ISO 9001- 2008 certified organisation.

The institute is an autonomous organisation registered under the Societies Registration Act 1860. It is managed by a Board of Governors. Director is the executive head of the institute. The institute is situated in a well developed campus in Sector 26, Chandigarh covering an area of over 6.85 hectares housing the academic buildings, hostels, guest house and residential accommodation for faculty and staff. The institute also has residential campus in sectors 29 and 42. The institute is about 10 kms from Inter State Bus Terminus in Sector 43 and 05 kms from Chandigarh Railway Station.

The Mission

The mission of the institute is to dynamically respond, through an integrated package of research and development, education and training and extension services, to the needs of technical and vocational education, industry and community and challenges of advances in technology, including modern communication technology.

1.1 Broad Objectives of the Institute

- To provide professional education and training for teachers of engineering and technology disciplines in technical institutions for advancement of learning towards promoting excellence in technical education and industry.
- ♦ To strive for continuous improvement in instruction and research in engineering and

technology disciplines and research in management of technical education.

◆ To actively support the growth and quality improvement of technical education in the country through involvement in activities at national and state levels.

1.2 Operational Objectives

- To act as a centre for offering quality training programmes for teachers as per need
 of the system, covering the entire gamut of technical education including
 polytechnics, engineering colleges, vocational and management education at
 national level
- To arrange for practical training of technical teachers in industries
- To undertake systemic research to provide research inputs for development of technical education, training systems and its management
- To undertake action 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 system 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 through distance learning mode using state of the art technologies
- To offer courses / programmes for technical and vocational teachers to suit overseas demand especially SAARC and ASEAN countries
- To collaborate with community and industry in organising Continuing and Non-formal vocational education programmes
- To undertake consultancy and extension work for industry, technical institutions/ organizations
- 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 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 objectives

The institute is continually striving to be in the forefront in all the functional areas towards achievement of the stated objectives.

1.3 Programmes and Activities

To achieve its stated objectives, the institute undertakes the following spectrum of activities:

- Education and Training Programmes
- Curriculum Development
- Instructional Material Development
- Research and Development
- Extension Services
- Consultancy in Technical Education and Technology Areas

Keeping in tune with the various developing needs of the country, the institute presently extends its services in the following areas as well:

- Media Development including Information Resources, their acquisition, storage and retrieval
- > Entrepreneurship Development
- Industry Institute Interaction
- Continuing Education for Working Engineers/Technicians/Managers
- Transfer of Appropriate Technology to Rural Areas
- Integrating Persons with Disabilities in the Mainstream of Technical and Vocational Education.

In addition to the above programmes and activities, the institute offers consultancy services to international, national and state level organisations in the above areas.

1.4 Management

The Institute is managed by a Board of Governors, which is responsible for its general direction and control, as laid down in the Memorandum of Association and Rules and Regulations of the National Institute of Technical Teachers Training and Research, Chandigarh Society. The Director is the Chief Academic and Executive Authority and also an ex-officio member secretary of the Board/Society. Under provisions of the Memorandum of Association (MoA), the Board of Governors is assisted by the following committees:

- ♦ Academic Council
- ♦ Finance Committee

Dr Samir Kumar Das, Director, National Institute of Technology, Jalandhar was the Director-Incharge of NITTTR, Chandigarh from **02.04.2012 (AN)** to **19.07.2012 (AN)**, and thereafter Dr. M P Poonia took over as Director w.e.f **20.07.2012.** In terms of the Memorandum of Association, he discharged the functions of the Academic Council, as its Chairman.

2.0 ACHIEVEMENT HIGHLIGHTS

Achievements of the institute's programmes and activities are reported under **05** major areas viz; Staff Development; Curriculum Development; Instructional Material Development; Research and Development; Extension Services and Consultancy.

Distinctive Programmes and Activities

- Master's Degree Programmes (Regular and Modular) in 06 disciplines.
- 56 Students undergoing Ph.D. Programmes in different disciplines at the Institute.
- National Seminar on ICT in Technical Education, 6-7 September, 2012.
- National Seminar on Latest Development in Pollution Control and Prevention Techniques,
 21-22 November, 2012.
- National Seminar on Sustainable Development of Rural India by 2022, 7-8 March, 2013.
- National Conference on Empowerment of the Persons with Hearing Impairment,
 21-22 March, 2013.
- Conduct of 107 Induction Training Programmes through ICT and trained 4724 teachers.
- Signed 03 MOUs with MNIT Jaipur, NIT Jalandhar and HP Technical University, Hamirpur.
- Organization of Job Fairs for Differently Abled Persons under PWD Scheme.
- Up-dating of Laboratories in New and Emerging Areas.

2.1 Staff Development

The institute continued to grow in terms of academic activities, both qualitatively and quantitatively. The qualitative dimensions covered related to continued improvements by way of increased emphasis on applications, case studies and industrial exposure in training programmes besides more efficient and effective use of multi-media in teaching-learning process. During 2012-13, 225 programmes were conducted for faculty/staff of engineering colleges and polytechnics which were attended by 3048 participants from various states of the country.

2.1.1 Long Term Programmes

2.1.1 (a) Ph.D. Programmes

Institute is a Research Centre of Panjab University, Chandigarh and Punjab Technical University, Jalandhar for Ph.D. Programmes. As on March 2013, **56** students are undergoing Ph.D. programmes in different disciplines. The Institute is also a Ph.D. Centre under QIP (Poly) Scheme of AICTE. Out of these **56** students, **25** candidates have joined under QIP (Poly) Scheme at this institute.

2.1.1 (b) M.Tech. / M.E. Programmes

The Institute offers industry-oriented and practice-based Master's Degree Programmes of 02 years duration affiliated to Panjab University, Chandigarh in the following disciplines:

- Engineering Education
- Mechanical Engineering (Manufacturing Technology)
- Civil Engineering (Construction Technology and Management)
- Computer Science and Engineering
- Electrical Engineering (Instrumentation and Control)
- Electronics and Communication Engineering

The institute is offering these Master's Degree Programmes on modular basis also in the above six disciplines duly approved by AICTE and affiliated to Panjab University.

Admissions made in these programmes during 2012-13 are given below:

Sr.			of Participa	ınts	Total	State-wise Break-up	
No.	Programme	Polys	Engg. Colleges	Industry/ General			
MASTER'S DEGREE (REGULAR MODE)							
1.	Computer Science and Engineering	03	10	04	17	HP-02, HA-03, J&K-01, PU-01, UP-08, CH-02	
2.	Electrical Engineering (Instrumentation and Control)		10	02	12	GJ-01, HP-04, UP-05, UK-02	
3.	Electronics and Communication Engineering	1	09	05	14	HP-01, HA-03, PU-03, UP-05, UK-01 CH-01	
	Total	03	29	11	43	HP-07, HA-06, J&K-01, PU-04, GJ-01, UP-18, UK-03, CH-03	

MAS	MASTER'S DEGREE (MODULAR MODE)						
1.	Mechanical Engineering (Manufacturing Technology)	07	10		17	HP-04, HA-03, JHK-01, RA-02, UP-07	
2.	Computer Science and Engineering	09	22		31	AS-01, JHK-01, HP-03, J&K-01, RA-05, UP-19, CH-01	
3.	Electrical Engineering (Instrumentation and Control)	08	19	01	28	HP-1, HA-01. JHK-01, J&K-02, KE-01, RA-07. UP-15	
4.	Electronics and Communication Engineering	07	24		31	UP-16, HP-03, HA-01, PU-03, BH-01, RA-05, UK-02	
5.	Civil Engineering (Construction Technology and Management)	03	02	03	08	PU-01, HA-02, HP-05,	
6.	Engineering Education	02	02		04	HA-02, KE-01, WB-01	
	Total	36	79	04	119	AS-01, BH-01, HP-16, HA-09, J&K-03, JHK-03, KE-02, PU-04, RA-19, UK-02, UP-57, CH-01, WB-01	

Note: 51 (regular) and 339 (modular) students of previous batches are also on roll.

ABBREVIATIONS USED						
AS	Assam	PU	Punjab			
BH	Bihar	KE	Kerala			
CH	Chandigarh	RA	Rajasthan			
GJ	Gujarat	UK	Uttarakhand			
HA	Haryana	UP	Uttar Pradesh			
HP	Himachal Pradesh	WB	West Bengal			
J&K	Jammu & Kashmir					
JHK	Jharkhand					

2.1.2 Short Term Programmes

The institute offers need-based and customized short-term courses of one to two weeks duration for faculty/staff of engineering colleges, polytechnics and working professionals from industry. During the year 2012-13, the short term programmes conducted for faculty/staff of polytechnics are as follows:

(i) Faculty / Technical Staff of Polytechnics

No. of Short Term Courses conducted for Polytechnic Teachers/Administrators of Polytechnic System/ Working Professionals from industry	:	133
No. of Participants	:	1704
No. of Induction Training Programme through ICT	:	107
No. of Participants	:	4724
No. of Training Workshops	:	40
No. of Participants	:	1539
No. of National Seminars/Conferences	:	04
No. of Participants	:	429
No. of Curriculum Development Workshops	:	58
No. of Participants	:	668

The department-wise break-up of short term courses (Table 1), workshops (Table 2), national seminars and conferences (Table 3) with duration and number of participants is summarised as follows:

TABLE 1 - SHORT TERM COURSES FOR POLYTECHNICS

Sr. No.	Department / Centre	Number of STCs	Total Duration in weeks	Number of participants	Person weeks
1.	Applied Science	09	10	76	80
2.	Civil Engineering	11	13	143	192
3.	Computer Science	23	23	176	176
4.	Curriculum Development	05	05	220	220
5.	Centre for Physically Challenged Persons	02	02	18	18
6.	Education and Educational Management	12	15	225	302
7.	Educational Television Centre	02	02	08	08
8.	Electrical Engineering	08	08	74	74

	Total	133	143	1704	1858
15.	Rural Development	09	09	198	199
14.	Media and Continuing Education Centre	07	07	51	51
13.	Mechanical Engineering	18	19	105	107
12.	Library	04	04	46	46
11.	Entrepreneurship Development and Industrial Coordination	07	08	101	113
10.	Electronics Service Centre	06	06	115	115
9.	Electronics and Communication Engineering	10	12	148	157

Break-up of Short Term Courses (STCs) for polytechnics as per venue of conduct is as under:

Total number of STCs conducted	=	133
STCs conducted at NITTTR, Chandigarh	=	100
STCs conducted at Polytechnics in the States	=	33

TABLE 2 - TRAINING WORKSHOPS

Sr. No.	Department / Centre	Number of Workshops	Total Duration in weeks	Number of participants	Person weeks
1.	Civil Engineering	06	3.0	125	62.5
2.	Computer Science	04	2.0	106	53.0
3.	Curriculum Development Centre	05	2.5	58	29
4.	Information Management and Coordination	09	4.5	359	179.5
5.	Rural Development	11	5.5	653	326.5
6.	Centre for Physical Challenged Persons	01	0.5	25	12.5
7.	Education and Educational Management	04	2.0	213	106.5
	Total	40	20	1539	769.5

TABLE 3 - NATIONAL SEMINARS AND CONFERENCES

Sr. No.	Title of the Programme	Duration in weeks	Number of participants	Person weeks
1.	ICT in Technical Education, 6-7 September, 2012	0.5	55	27.5
2.	Latest Development in Pollution Control and Prevention Techniques, 21-22 November, 2012	0.5	98	49.0
3.	Sustainable Development of Rural India by 2022, 7-8 March, 2013	0.5	193	96.5
4.	Empowerment of the Persons with Hearing Impairment, 21-22 March, 2013	0.5	83	41.5
	Total	2.00	429	214.5

(ii) Faculty / Technical Staff of Engineering Colleges

During the year 2012-13, **92** courses were conducted for faculty and technical staff of Engineering Colleges in which **1344** teachers participated and accounted for **1562** person weeks of training. The department wise break-up of short term courses, total duration and number of participants is given in Table 4.

TABLE 4 - SHORT TERM COURSES FOR ENGINEERING COLLEGES

Sr. No.	Department / Centre	Number of STCs	Total Duration in weeks	Number of participants	Person weeks
1.	Applied Science	07	08	74	96
2.	Civil Engineering	04	06	136	216
3.	Computer Science	23	23	328	328
4.	Education and Educational Management	05	07	76	105
5.	Educational Television Centre	03	03	78	78
6.	Electrical Engineering	10	10	104	104
7.	Electronics and Communication Engineering	08	08	87	87
8.	Electronics Service Centre	02	03	12	14

9.	Entrepreneurship Development and Industrial Coordination	06	07	173	182
10.	Library	04	04	09	09
11.	Mechanical Engineering	11	11	114	114
12.	Media and Continuing Education	06	06	53	53
13.	Rural Development	03	05	100	176
	Total	92	101	1344	1562

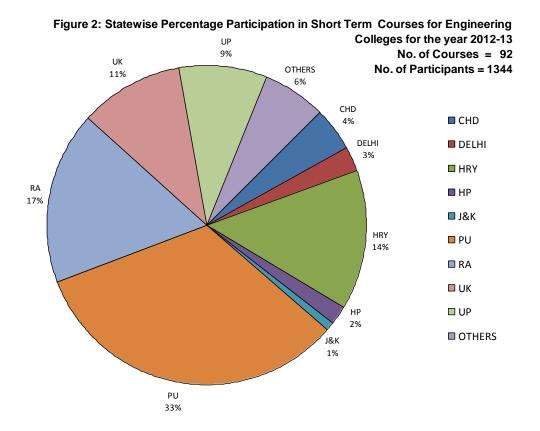
Break-up of Short Term Courses (STCs) for Engineering Colleges as per venue of conduct is as under:

Total number of STCs conducted	=	92
STCs conducted at NITTTR, Chandigarh	=	78
STCs conducted at Engineering Colleges in the States	=	14

The state-wise percentage participation in short term courses conducted for polytechnics and engineering colleges is shown in Figure 1 and Figure 2 respectively.

for the year 2012-13 UP No. of Courses = 133 20% OTHERS No. of Participants = 1704 4% **INDUSTRY** 2% CHD ■ CHD UK 5% ■ DELHI ■ HRY ■ НР DELHI 11% J&K RA 12% ■ PU ■ RA ■ UK □ UP HRY ■ OTHERS 14% ■ INDUSTRY 15% ΗP 5% J&K 10%

Figure 1: Statewise Percentage Participation in Short Term Courses for Polytechnics



(iii) Induction Training Programmes through ICT

In addition to above, the institute has designed an innovative programme with integration of Information and Communication Technology to achieve the target of training about 20,000 teachers from technical institutions in the northern region as per the mandate assigned to the institute by MHRD, GOI. The first 'Induction Training Programme through ICT' was launched on 24 September, 2012.

The objectives of the programme are to enable the participating teachers to (a) appreciate the role of teachers in technical education, (b) evolve strategies for ensuring quality in technical education, (c) explain the role of institutional leader, (d) appreciate the importance of NVEQF, (e) explain the process of curriculum development, (f) explain the strategies to ensure effective implementation of curriculum, (g) explain the steps in planning and delivery of effective instruction, (h) explain the characteristics, advantages and disadvantages of Case Study, Seminar and Brainstorming, (i) explain the principles of effective oral communication, (j) set reliable and valid question papers, (k) plan, organize and evaluate practical work, (l) explain the techniques for developing creativity and promoting innovations, (m) explain the techniques of developing entrepreneurial qualities and promoting industry institute interaction and (n) explain the role and features of CDTP scheme and mainstreaming PWD in technical education.

No. of ICT Training Programmes conducted till 31.03.2013		107
No. of Teachers Trained	=	4724

2.2 Curriculum Development

The institute continued to undertake curriculum development activities including the design and review of curricula for courses in engineering and non-engineering areas through a scientific approach which has been considerably internalised by the polytechnic system enabling them to take up similar projects by themselves with some guidance from National Institute of Technical Teachers Training and Research, Chandigarh. During the year 2012-13, 14 curricula of diploma have been designed for the state of Haryana. 33 diploma courses for the state of Haryana, 21 curricula for the state of J&K and 06 curricula (first year) for the state of Uttrakhand have been revised by Curriculum Development Centre of the institute. The details of curricula designed and revised are given below:

A.	CURRICULA DESIGNED				
1.	14 Diploma Courses for the State of Haryana				
	Chemical Engineering (Specialization in Paint Technology) Chemical Engineering (Specialization in Polymor Engineering)				
	Chemical Engineering (Specialization in Polymer Engineering) Rubber Technology				
	4. Electrical and Electronics Engineering				
	5. Power Station Engineering				
	6. Fire and Safety Technology				
	7. Electronics Engineering (Specialization Power Electronics)				
	8. Printing Technology (Specialization Press Technology)				
	Printing Technology (Specialization in CAD/GAT) Nachabitation (CAD/GAM Parisman Parisma				
	10. Mechanical Engineering (CAD/CAM, Design and Robotics)				
	11. Garment Technology				
	12. Knitting Technology				
	13. Civil Engineering (Specialization in Highway Engineering)				
	14. Mechanical Engineering (Fabrication Technology)				

В.	CURRICULA REVISED			
1.	33 Diploma Courses for the State of Haryana			
	Agricultural Technology			
	2. Architectural Assistantship			
	3. Automobile Engineering			
	4. Ceramic Engineering			
	5. Chemical Engineering			
	6. Chemical Engineering (Pulp and Paper)			

INDUCTION TRAINING PROGRAMMES THROUGH ICT (launched on 24 September, 2012)



Dr MP Poonia, Dr BK Behra, Dr AK Nassa, Dr SK Singh during the inaugural session





Visit of Shri Ashok Thakur, IAS, Secretary, Higher Education, MHRD,
GOI to the institute and interaction with Nodal Centres
for Induction Training Programme through ICT and the faculty of the institute



Session in Progress: Dr. DS Khatri, Managing Director, JK Auto Limited Gurgaon



Participants of Induction Training Programme

A VIEW OF NATIONAL SEMINARS /CONFERENCES ORGANISED AT THE INSTITUTE



Dr. MP Poonia, sharing his views with the delegates

Dignitaries on the dias during
National Conference on
"Latest Developments in
Pollution Control and Prevention
Techniques"
21-22 November, 2012





Dr. Abhijit Sen, Member, Planning Commission, GOI delivering the inaugural address

- 7. Civil Engineering
- 8. Computer Engineering
- 9. Business Management
- 10. Business Management (IPM)
- 11. Electrical Engineering
- 12. Electronics and Communication Engineering
- 13. Electronics and Instrumentation
- 14. Fashion Design
- 15. Fashion Technology
- 16. Finance and Accounting
- 17. Food Technology
- 18. General Engineering
- 19. Instrumentation and Control
- 20. Library and Information Science
- 21. Mechanical Engineering (CAD/CAM)
- 22. Mechanical Engineering (CNC)
- 23. Mechanical Engineering
- 24. Mechanical Engineering(Tool and Die)
- 25. Mechatronics
- 26. Medical Electronics
- 27. Medical Laboratory Technology
- 28. Office Management and Computer Applications
- 29. Plastic Technology
- 30. Production Engineering
- 31. Textile Design
- 32. Textile Processing
- 33. Textile Technology

2. 21 Diploma Courses for the State of J & K

- 1. Civil Engineering
- 2. Electrical Engineering
- 3. Mechanical Engineering
- 4. Automobile Engineering
- 5. Architectural Assistantship
- 6. Computer Engineering
- 7. Garment Technology
- 8. Textile Technology
- 9. Civil Engineering (Public Health Engineering)
- 10. Quantity Surveying
- 11. Office Management and Computer Applications
- 12. Fashion Designing
- 13. Information Technology
- 14. Tourism and Hospitality Management
- 15. Leather Technology
- 16. Wood Technology
- 17. Food Technology
- 18. Medical Laboratory Technology

	Instrumentation and Control Electronics and Communication Engineering Medical Electronics
3.	1. Civil Engineering 2. Electrical Engineering 3. Electronics and Communication Engineering 4. Automobile Engineering 5. Information Technology 6. Computer Engineering

2.3 Instructional Material Development

During the year 2012-13, institute continued its efforts to promote development of instructional material, both print (text books, laboratory manuals, modules, readers etc.) and non-print (video programmes, CAI packages, etc).

The following instructional material was produced during the year under report:

•	Text Books	•	01
•	Manual	:	01
•	Modules/Readers	:	10
•	Course Material for Training Programmes	:	225
•	CAI Packages	:	02
•	Educational Video Films	:	46
•	Capsules of Video Films for Gyan Darshan	:	365

The information regarding the instructional material developed has been disseminated to the technical institutions of the region and outside to enable them to use the same. **The details are enclosed at Annexure-I.**

2.4 Research and Development

Research and development activities in technology and technical education forms an important aspect of the institute's programmes. The following research studies were completed during 2012-13:

- 1. Problems Faced by Institutes Working in the Area of Disability in Chandigarh and Panchkula.
- 2. Relationship of Loneliness and Hopelessness with Depression among Disabled and their Parents.

- A Comparative Study of Persons with Disabilities in Selected Villages of Punjab and Haryana.
- 4. Evaluation of Induction Training Programe through ICT.
- 5. Performance Audit of Chandigarh Training on Soft Skills (CTOSS) and Chandigarh Information Technology Outreach Programme (CITROP) Programmes.
- 6. Training Need Analysis of Polytechnics of Punjab State.
- 7. Identifying Opportunities for Self-employment and Entrepreneurship
- 8. Bio-energy Technology and Business Solutions for UK and India.

In addition to above, **04 Ph.D**. thesis and **83 M.E**. thesis were completed under the guidance of faculty of this institute.

The institute publishes a 'Journal of Engineering and Technology Education' which is referred by teachers and students of technical education and research. This helps the faculty and students of technical institutions from across the country to publish their views and research work in Engineering and Technology and Technical Education. The journal (published twice in a year, i.e. January-June and July-December) provides an interdisciplinary forum to teachers, students, officials/administrators of technical education system and working professionals in industries to discuss and debate theories and applications of educational, technical and training technologies in all sectors and levels of technical education.

2.5 Extension Services and Consultancy

Policy Planning and Service to Industry and Community

The Institute has continued to play a proactive role to influence the planning and development of technical education and also collaborated with institutions and organisations at national and international levels having similar objectives. The institute also provided consultancy services to government, public sector and other national and state level organisations, technical education system and industry in the area of engineering and technology, educational management, curriculum development, entrepreneurship development and rural development.

365 capsules of video programmes prepared by four NITTTRs were sent to EMPC, IGNOU, New Delhi for daily transmission of these programmes in TECH ED Vision on Gyan Darshan Channel.

Implementation of Government of India Schemes on

- **♦** Community Development through Polytechnics
- PWD Scheme of Government of India

The department of Rural Development of the institute provides academic support to MHRD, Government of India and all DTEs in the region for effective implementation of schemes of Government of India on Community Development Through Polytechnics (CDTPs) in 155 polytechnics and Integrating Persons with Disabilities (PWDs) in the mainstream of Technical and Vocational Education in 15 polytechnics/institutions in Northern region. The department acts as an effective link between the MHRD and polytechnics implementing these schemes. Special job fairs for PWDs for their placement are also organised in collaboration with CII, Chandigarh and Vocational Rehabilitation Centre, Ludhiana. The department has operationalized Disability Information Line (DIL) for Punjab Telecom Circle. The DIL is a sponsored project of Ali Yavar Jung National Institute for the Hearing Handicapped (AYJHNIHH), Mumbai. This project is expected to continue during entire period of 12th Five-Year Plan.

Job Fairs

Centre for Physically Challenged, NITTTR, Chandigarh in collaboration with Northern Chapter of Confederation of Indian Industry (CII), organized the following Job Fairs for differently abled persons in a phased manner and number of persons selected is given as under:

Sr. No.	Date	No. of companies	Persons selected/ short listed
1.	18 August, 2012	08	15
2.	10 October, 2012	02	18
3.	22 February, 2013	09	32
	Total	19	65

Signing of Memorandum of Understanding

The institute signed MoUs with three prestigious educational institutions namely Malaviya National Institute of Technology, Jaipur; BR Ambedkar National Institute of Technology, Jalandhar and Himachal Pradesh Technical University, Hamirpur on 26 September, 2012. The major objective of signing MoUs is to support each others' endeavour in delivery of academic programmes and research activities through:

- Exchange of scientific and technical information
- Joint supervision of Postgraduate and Ph.D. students

SIGNING OF MEMORANDUM OF UNDERSTANDING



MNIT, Jaipur



NIT Jalandhar



HPTU Hamirpur



Participants of Master Trainer Training Programme on 'Quality Management System and Quality Technology Tools'



Participants of DST sponsored Faculty Development Programme



Hon'ble Smt. Geeta Bhukkal, Cabinet Minister, Govt. of Haryana delivering the inaugural address



Distribution of wheel chairs and tricycles to the orthopedically handicapped persons during National Workshop on "Disability through the Lens of Art and Culture" 23-24 March, 2013

IMPORTANT DAYS CELEBRATED AT THE INSTITUTE



Annual Day Celebrations



Meritorious Students of Master's Degree Programmes

Dr. RP Dahiya, Professor IIT Delhi addressing the audience





9th Inter NITTTR Sports Meet 19-22 February, 2013

Overall Champion Trophy won by the Institute





संस्थान में वार्षिक राजभाषा समारोह

- Undertaking collaborative research activities through participation in Nationally and Internationally funded projects
- Jointly organize events such as seminars, workshops, conferences and training programs
- Training of students

Dr. IK Bhat, Director, MNIT, Jaipur; Dr. SK Das, Director, NIT, Jalandhar; Dr. Shashi K. Dhiman, Vice Chancellor, HPTU, Hamirpur; a few faculty members from MNIT, Jaipur and the faculty from institute were present on the occasion.

Consultancy Projects

During the year 2012-13, the following consultancy projects were completed:

⇒ Design and Testing Services to Industry

Design of Bituminous Mixes, Design of Concrete Mixes, Testing and quality Control in Roads and Buildings, Soil Testing and Field Investigations, Bearing Capacity Determination, Non-destructive Testing etc., Quality Control of Road in Municipal Corporation, Chandigarh, Investigations and Design of Road under Bridge on Railway Road Crossing near Mauli Jagran (UT Chandigarh), Design and Evaluation of Road Pavements, Testing of Civil Engineering Materials, Design of NTPC Administration Building at Koldam Project, Sundernagar (HP).

⇒ Research Projects

- Performance Audit of Chandigarh Training on Soft Skills (CTOSS) and Chandigarh Information Technology Outreach Programme (CITROP) Programmes.
- Training Need Analysis of polytechnics of Punjab State.
- Research and Development Project on Bio-energy Technology and Business Solution for UK and India in collaboration with IIT Delhi.

⇒ Student Training

 The institute has organized 09 training programmes in which 249 students of technical education system and working officials from various organization were trained.

⇒ Other Projects:

- Recruitment of Junior Engineers for PWD (B&R), Punjab.
- Recruitment of Executives for Punjab State Cooperative Agricultural Development Bank, Punjab.

2.6 Other Contributions (Including Individual Contributions)

The faculty of the institute have also been actively involved in other academic activities like contributing research papers to the various journals, conventions, seminars and conferences. **80** papers of the institute faculty were published in the journals and **89** papers were presented by the faculty in various conferences and seminars. **The details are enclosed at Annexure- II.**

2.7 9th Inter NITTTR Sports Meet

9th Inter NITTTR Sports meet was organised at NITTTR, Chandigarh from 19-22 February, 2013. Shri Ramavtar Singh Jakhar, Vice President, Rajasthan Olympic Association inaugurated the sports meet on 19th February, 2013. Over **100** participants and officials from various NITTTRs participated in the meet. Various events such as Badminton, Table Tennis, Carrom, Volleyball, Auction Bridge, Chess and 100m Race were organised. NITTTR, Chandigarh won the championship trophy. Shri M P Singh, IAS, Principal Secretary to Governor of Punjab was the Chief Guest during the valedictory ceremony.

2.8 Academic Achievements of the Departments

Applied Science Department

During the year 2012-13, the department has conducted **09** short term courses for polytechnic teachers and **07** short term courses for engineering college teachers, which were attended by **76** and **74** teachers respectively. These programmes were conducted in the areas of OFC Network and Trouble Shooting, Nanotechnology: Opportunity and Challenges, Nanomaterials: Characterization and Application, Physics Laboratory Organisation and Updating, Optical Fibers: Communication and Sensing Application, Nuclear Radiations & their Application, Nuclear Techniques and Instrumentations, Nuclear Energy and Power Options, Laser and their Applications, Laser Science and Technology, Fiber Optic Tests and Measurements and Optical Fibers and Their Applications. Instructional material was also prepared on these topics and given to the participants. The department faculty guided **02** ME Thesis and **01** Ph.D. Thesis during the year under report.

Centre for Physically Challenged Persons

The Centre organized **02** training programmes for polytechnic teachers which were attended by **18** participants. The centre organized an Annual Review Workshop for polytechnics implementing the PWD Schemes in which **25** participants participated. These training programmes were aimed at making polytechnic faculty, staff and NGOs working in the areas of disability aware about the PWD project. The participants were also provided inputs pertaining to barrier free environment, education, training and career opportunities for the PWDs. The STCs were conducted in the areas of: Barrier Free Environment, Education, Training and Career Opportunities for PWDs, Empowering the Disabled. The department also produced instructional material on these topics and were given to the participants of short term courses. The department in collaboration with AYJNIHH, Mumbai conducted a National Conference on "**Empowerment of the Persons with**

Hearing Impairment" 21-22 March 2013, where in **83** persons participated. During 2012-13, the centre organized **03** Job Fairs for the qualified differently abled persons and **65** persons with disabilities got placement in various organizations. The centre also undertook three research studies regarding the issues related to differently abled persons and findings of the research studies were shared with the project staff working in project polytechnics

Civil Engineering Department

During the year the 2012-13, the department conducted **11 s**hort term training programmes for polytechnic teachers and **04** short term courses for engineering colleges teachers respectively which were attended by **143** and **136** teachers and working professionals from industry. The department conducted training programmes in the areas of Advanced Technology for Concrete Repair, Auto CAD, Modern Building Materials and Sustainability in Construction, Quality and Technical Management of Laboratories, Structural Auditing and Rehabilitation; Transportation, Planning Design and Management in Urban Area, Building Maintenance, Water Proofing and General Structures, Project Planning and Management, STAAD PRO, Mapping by Total Station, Sustainable Development: Issues and Latest Developments, GIS and Remote Sensing - A Modern Tool in Mapping. Course materials were also prepared in these areas and were given to the participants of short term courses.

During the year under report, the department conducted **05** workshops in different areas, such as Water Proofing and Building Maintenance, Software Application in Structural Design, STADD PRO and Allied Softwares, Modern Building and Construction Practices which were attended by **78** participants. One National workshop on Water Proofing Application in Civil Engineering was organised which was attended by **47** participants. The department also conducted one National Seminar on "Latest Development in Pollution Control and Prevention Techniques" on **21-22 November, 2012** which was attended by **98** participants. The department faculty published **01** paper in the journal and presented **10** papers in National/International seminars/conferences. The department also provided design and testing services to industry on consultancy basis.

Computer Science Department

During the year 2012-13, the department conducted 23 training programmes for polytechnic teachers and 23 programmes for faculty of Engineering Colleges, which were attended by 176 and 328 participants respectively. Some of the significant programmes included: Cloud Computing, Network Security and Firewall, Linux Administration, Web-based ERP, Modle LMS, PHP and MySQL, Open Source Technologies, Wireless Communication and Mobile Computing, Hardware Maintenance and Networking, VB.Net, Multimedia Authority, Web Hacking and

Network Security, Mobile Computing and Matlab Programming, Web-based Content Development through Modle etc. In addition, the department imparted practical training to the students of engineering colleges as a part of their curriculum requirement. The department developed instructional material on various topics related to short term courses conducted by the department. The department also conducted awareness workshops on topics such as Cyber Crime Awareness, Akash for Education, Android etc.

The department faculty guided Ph.D and ME thesis and has published **05** papers in International/National journals and presented **16** papers in International/ National Seminars and Conferences. The department faculty also attended training programmes at outside institutions.

Curriculum Development Centre

Curriculum Development Centre conducted **05** short-term courses for the polytechnics through which **220** teachers were trained. The centre also conducted **58** Curriculum Development Workshops for design/revision of curricula in which there were **668** participants from industry, institutions of higher learning and polytechnics. During the year under report, the department designed **14** curricula for diploma courses for the state of Haryana and revised **21** curricula at diploma level for the state of J&K and **33** curricula for the state of Haryana. Services were provided to the states in Northern region for effective implementation of their curricula.

The faculty has published **01** research paper in the journals and presented **01** paper in International National Conferences/Seminars. The paper was awarded the best paper award and has been selected for publication in the RDA Journal, besides already published in the proceedings of the conference.

Centre for Development of Technical Competencies

A Centre for Development of Technical Competencies (CDTC) has been actively working at the institute. It has been set up at the institute to provide training to students of B.Tech for 1-2 weeks, 6-8 weeks and 6 months with help of the concerned department. During the year 2012-13, the Centre has trained **249** students in different training programmes in different fields and ₹ 14, 95,540/- has been earned as Internal Revenue Generation for the institute.

Education and Educational Management Department

Education and Educational Management Department conducts both long term and short term programmes in the area of Education and Educational Management. M.Tech. (Engineering Education) programme is offered on modular basis.

The department organized 17 short term training programmes, out of which 12 programmes were organized for polytechnic faculty and 05 were organized for the faculty of engineering colleges. 225 faculty members from polytechnics and 76 faculty members from engineering colleges participated in the various programmes. Instructional material was prepared on the topics in which short term courses were conducted and was given to the participants. The department faculty also developed 02 CAI packages.

The department organised 04 workshops on Writing Test Items and Marking objectively at various polytechnics of Haryana State which were attended by 213 teachers. The department also conducted one National Conference on ICT in Technical Education during the year under report.

Under the guidance of faculty **02** M.Tech Engineering Education (Modular) thesis have been submitted by the students. The department faculty has presented **12** papers in National/International Conferences and has published **05** papers/abstract in National/ International Journals/Proceedings.

Educational Television Centre

The centre conducted **05** short term training programmes for polytechnics / engineering colleges and trained **86** teachers. Significant programmes conducted during the year included Soft Computing Techniques and Applications, Audio and Video Hardwares - Repair and Maintenance, Antenna and Microwave, Learning through Experimentation, Animation Graphics and e-content Development, Neural Networks and Optimization Techniques and Application. The Centre produced instructional material on the above mentioned areas. Centre has also provided practical training to **14** students of various engineering colleges in the areas related to Antenna Design, Editing and admitted **04** students in PG Diploma on Video and Animation of six months duration. Since September, 2012, ETV Centre is actively engaged in the conduct of Induction Training Programmes through ICT and produced **30** video films for the programmes.

ETV Centre produced 46 Video Films on various educational aspects during the year 2012-13.

Daily transmission of programmes in TECH ED VISION also continued in 2012-13. **365** capsules of video films were sent to EMPC, IGNOU, New Delhi. The transmission was carried out by ETV Centre of the institute on every working day from 09.30 a.m. to 05.30 pm. Live and video recorded lectures were transmitted to all the networked institutes covering almost all parts of the country.

The department has designed curricula for PG Diploma and Certificate Course in Video and Animation Production and signed MOUs with four partner institutes to run these programmes. An MoU was also signed with Indira Gandhi National Open University, New Delhi for running 10 kw FM Station for Gyan Vani transmission.

Department faculty has also published **04** papers in International/National journals and presented **02** research papers in various National/International seminars and conferences.

Electrical Engineering Department

During the year 2012-13, the department conducted **08** short term programmes for polytechnic teachers and **10** for faculty of engineering colleges, in which **74** and **104** teachers were trained respectively. The programmes were conducted in the areas of MATLAB and its Applications, Automation in Industries, Energy Management, Virtual Instrumentation, Power Electronics, Control of Electrical Motors, Micro-controllers and its Applications, Artificial Neural Network and Fuzzy Logic using MATLAB and Computer Aided Circuit Simulation etc. The department developed instructional material in these areas and also developed a manual on Microcontrollers and its Interfacing.

Under the guidance of faculty, **2** Ph.D. and **10** M.E. thesis have been completed by the students. The department faculty has published **19** papers in the National/International journals and presented **21** papers in National/International conferences.

Electronics and Communication Engineering Department

During the year 2012-13, the department conducted **10** training programmes for polytechnics and **08** programmes for faculty of engineering colleges in which **148** and **87** teachers participated respectively. The significant programmes conducted were in the areas of Mobile Communication, CDMA and GSM, MATLAB Programming and ANN, Computer Networks, Induction Training Programmes, Digital Signal Processing, Optical Fiber Communication, Introduction to Embedded System, Introduction to W/less Sensor Networks, Embedded System Applications, GSM to 3G, TCP Based Computer Network, Soft Computing Techniques, Wireless LANs, Communication Using MATLAB, FPGA Based Digital System Designing, Introduction to Digital System Design, 4G Technology, VLSI System Design Engineering. The department faculty also prepared instructional material on these topics and gave to the participants of short term courses.

In addition to ME Regular and Modular classes of various sessions/spells during the year, under the guidance of faculty, **31** ME Thesis and **01** Ph.D. Thesis have been completed by the students and four to six weeks practical training was provided to the B.Tech students of various

engineering colleges. The department faculty has published **37** papers in the National/International journals and presented **13** papers in National/International conferences. The department faculty/staff have also attended various training programmes during the year.

Electronics Service Centre

Electronics Service Centre established in the year 1984, has been undertaking repairs of electronics and electrical instruments of technical institutions in the region through training programmes on a no-profit-no-loss basis. During the year under report, centre has conducted 06 programmes for polytechnics and 02 training programmes for engineering colleges in which 115 participants from polytechnics and 12 from engineering colleges participated and got training in the areas of Electronics Components, PCB Layout, Fabrication and Testing, Fabrication of Experimental Kits and its Repair, Repair and Maintenance of Power Supply and Experimental Kits and Power Supply Design, Fabrication and Testing. The participants of the technical institutions were provided hands-on training through repair of 130 equipment/instruments of their institutes. The centre also provided training to 116 students in the areas of Embedded System Design and Wireless Communication Design.

Entrepreneurship Development and Industrial Coordination Department

The department during 2012-13 conducted **07** short term courses for polytechnics and **06** for faculty of engineering colleges in which **101** teachers from polytechnics and **173** teachers from engineering colleges were trained respectively. Comprehensive training material modules were prepared for all these programmes and distributed among participating teachers. The faculty also developed a reader on Social Entrepreneurship. An Innovation and Web-based Teaching Learning System (ITLS) laboratory has been established by the department for effectively using computers for creative, innovative and interactive teaching-learning during short term and long term courses. The department assisted the engineering colleges, polytechnics, AICTE and MHRD in promotion of entrepreneurship and Industry Institute Interaction as per their requirements.

Faculty of the department chaired technical sessions in various International, National and Regional seminars and conferences organized by various technical institutions and universities. Faculty had also sent papers in International Conferences which were accepted for presentation and publication in the conference proceedings. One of the faculty members attended an International Training Programme conducted by CPSC, Manila and Ministry of Higher Education at Melaka, Malaysia.

The department got conducted Internal Audits and External Renewal Audits of ISO 9001-2008 Certificate for effective maintenance of established Quality Management System (QMS) in the institute.

Library

The library provides computerized services and internet facilities to its users. The library has switched over to Liberty – a web based library management system. Now the library catalogue can be accessed over the institute intranet and soon it will be available through the Internet. It subscribes to **04** e-resources (ASCE, IEL, Springers) and **44** print journals/periodicals. The library has over **37385** volumes of technical and educational books and **10004** Indian Standards. The library imparts extension services to the polytechnics and engineering colleges in setting up and developing their libraries. Apart from providing services to faculty, staff and students of the institute, the library offers special membership and corporate membership facilities to the persons and institutions having academic and professional links with the institute. As a part of expansion programme, a separate e-resource section of the library has been set up which provides internet facilities, access to e-journals and facilities for using CDs/DVDs etc. The library has also conducted **04** training programmes which were attended by **55** teachers of library science/librarians of polytechnics and engineering colleges.

Mechanical Engineering Department

The department conducted 18 short term courses for faculty of polytechnics and 11 short term courses for engineering colleges, in which 105 teachers from polytechnics and 114 teachers from engineering colleges were trained in various areas of mechanical engineering. Significant training programmes conducted by the department included Auto CAD, CAD using CATIA, PLC Applications in Mechanical Engineering, CAD/CAM, Mechatronics, Modeling and Simulation using MATLAB, Auto CAD 3D, Refresher Course in Mechanical Engineering, Teaching Practices in Engineering Drawing, Supervisory Development Skills for Workshop Instructors, Metrology Lab Practices, Repair and Maintenance of Machine Tools, CNC Machines: Operation and Programming, Welding Technology, Material Testing of NDT, Computer Aided Design and Drafting, Robotics and Industrial Automation, Recent Developments in Refrigeration and Airconditioning etc. The department also produced instructional material on the above mentioned topics. Under the guidance of faculty of the department 01 Ph.D. and 14 M.E. thesis were completed and the department faculty published 20 papers in the National/International journals and presented 21 papers in National/International conferences.

The department faculty completed two consultancy projects for the state of Punjab. The institute has been selected for a project grant worth ₹ 10 crore from AICTE under TEQIP - II Project.

Media and Continuing Education Centre

The centre of Media and Continuing Education during the year 2012-2013 conducted 13 programmes for the faculty of polytechnics and engineering colleges from the Northern Region and trained 104 teachers. Significant training programmes conducted were in the areas of Strategic Management and SWOT Analysis for Excellence, Business ad Soft Skills Development in Institutions, Institutional Accreditation and Quality Management, Innovation and Creativity Development in Teachers and Students, Educational Auditing for Technical Institutions, Managing Yourself and Achieving Managerial Excellence etc. The department faculty developed instructional material on these topics and distributed to the participants. 02 consultancy projects for the state of Punjab were completed. 02 research papers were presented by the faculty in National seminars/conferences. The department faculty attended training on Leadership Development Programme for Vocational Education from 03-19 September, 2013 at Perth, Australia.

Rural Development Department

The department conducted **09** training programmes for polytechnics and **03** programmes for engineering colleges in which **198** polytechnic teachers and **100** engineering college teachers participated. **11** workshops with respect to implementation of the Scheme of Community Development through Polytechnics were organized for different states in the Northern region in which **653** participants participated. The training programmes were conducted in the areas of Micro-Enterprise Promotion in Manufacturing and Service Sector, Integrated Water Resource Management, Renewable Energy Based Technology, Energy Efficient Buildings for Rural India, Eco-Water Literacy and Sanitation, Earthquake Risk Management, Green Technologies for Combating Climate Change and Sustainable Development, Integrated Village Development, Disaster Management and Sustainable Development, Eco Water Literacy Technology for Rural India, Scheme for Community Development Through Polytechnics, National Vocational Education Qualification Framework etc. The department has also produced study materials on the above mentioned topics.

A National Seminar on "Sustainable Development of Rural India by 2022" was organized by the department on 7 – 8 March 2013 which was attended by 160 delegates. 55 papers were presented by various scholars during the seminar which included eminent scientists, environmentalists, social activists, farmers and entrepreneurs. The main attraction of the seminar was the organisation of Organic and Herbal Products Mela in which 40 organic farmers and entrepreneurs exhibited their products.

The department has undertaken two research and development projects. Under the first project entitled "Bio-energy Technology and Business solutions for the UK and India", IIT Delhi and NITTTR Chandigarh have initiated a number of experiments at NITTTR Chandigarh. The second experiment is on the development of a Waste Water Treatment model for recycling institute's mess waste water for its uses for irrigation and gardening. The third experiment is undergoing in two villages of Punjab which is related to pond waste water treatment through floating rafts cum phytoremediation process. The fourth experiment is on treatment of brackish water through multi-effect distillation. The second R&D project is entitled "Eco-water literacy and sanitation campaign" sponsored by DST, GOI. The project is being run in two districts of Uttar Pradesh i.e. in Meerut and Rai Bareily.

Information Management and Coordination Department

During the year under report, the department prepared annual report of the institute for the year 2011-12 and submitted to MHRD, Government of India for their perusal and placing in the Parliament. The other major activities of the department during 2012-13 was preparation of Operational Plan of the institute depicting the annual calendar of training programmes for faculty and technical staff of engineering colleges and polytechnics, Research and Development, Instructional Material Development, Curriculum Development, Extension Services and Consultancy activities for the year 2013-14 after consolidating the needs of various states of the Northern region through conduct of annual workshops held in each state. The department published **04** volumes of quarterly newsletter of the institute and is also in the process of developing Management Information System (MIS) of the institute in collaboration with Computer Science Department of the institute

Instructional Resources Marketing Unit

Over the years, the institute faculty has produced a good amount of print and non-print instructional resources like books, laboratory manuals, workbooks, data books, video films, slides, charts, trainer models, CAI packages, software etc. With a view to popularising the use of these instructional resources, IRMU was established in 1995 to promote and undertake dissemination and distribution (sale) of instruction resources developed by the institute to users viz. technical institutions in general and polytechnics in particular. During the year under report, IRMU has created awareness among teachers about the development and use of different learning resources and teaching aids for instruction. During the year 2012-13, IRMU has supplied various learning resources worth ₹ 98,430/- to its clients.

3.0 INSTITUTIONAL INFRASTRUCTURE

3.1 Land and Constructed Space

The Institute's main campus is located in the educational complex in Sector 26 on a plot of about **16.94 acres (6.85 hectares)** of land. The buildings in the main campus include:

- Homi Bhabha Academic Block housing the departments of Applied Science, Civil Engineering, Electrical Engineering, Electronics Service Centre, Electronics and Communication Engineering, Mechanical Engineering and Rural Development.
- Ramanujan Centre for Computer Science and Educational Television housing the departments of Computer Science, Information Management and Coordination, Educational Television and Media Centre.
- Sir Bose J C Academic and Administrative Block housing the Director's Office, Administrative and Accounts Section, Institute's Library and the departments of Curriculum Development, Education and Educational Management and Entrepreneurship Development and Industrial Coordination.
- Visvesvaraya Lecture Hall Complex includes 08 numbers of Hi-tech Lecture Halls.
- Chandrasekhar Hall, Amartya Hall and Tagore Hall (hostel for men and women),
 Raman Hall (Post Graduate Students Hostel), and Student Centre.
- Har Gobind Khorana Guest House.
- Faculty and Staff Residences.

Besides the main campus in Sector 26, there are additional residential campuses in Sectors 29 and 42 with seventy six houses for residential accommodation for staff and faculty. The total built up area is **39325 sqm**. The institute also has a children park in Sector-29 campus and a gymcum-meditation centre in Sector – 42 campus.

During 2012-13, the following buildings/infrastructure have been developed at the institute:

- Improved internal roads by fixing inter-locking paver blocks, curves and common path by fixing chequred tiles.
- Replaced new M.S. Main Gate at Gate No. 2 including side railing on boundary wall and outside decorated by landscape.
- Proving and fixing new M.S. railing around the main playground lawn.
- Provided check posts at Gate No. 2 in Sector 26 and in Sector 29 Campus.
- Renovation and modernization of guest house rooms.
- Renovation of offices/laboratories in departments of Electronics and Communication,

Mechanical Engineering, Electrical Engineering, Applied Science and Computer Science.

- Renovation of corridors in ETV Centre.
- Installation of one D.G. Set in New Guest House.

3.2 Equipment

Equipment worth ₹ 267.38 lakh was purchased during the year 2012-13. The total value of equipment increased to ₹ 2553.20 as on 31.03.2013. After providing necessary depreciation on the assets, the net value of the equipment remained at ₹ 943.36 lakh as on 31.03.2013.

3.3 Furniture

Furniture worth ₹ 85.78 lakh was purchased during the year 2012-13. The total value of furniture increased to ₹ 287.55 Lakh. After providing necessary depreciation under rules, the net value of furniture remained at ₹ 180.09 lakh as on 31.3.2013.

3.4 Expenditure

An expenditure amounting to ₹ 2439.49 Lakh has been incurred during the financial year 2012-13 under various schemes as indicated below:

(Rupees in Lakhs)

				(110,000 111 = 011 1110)
Sr.No.	Name of the Scheme			Expenditure incurred
1.	Plan (Non-Recurring) - Capit	al Assets		497.04
2.	Plan-General (Recurring)			292.46
3.	Non-Plan-(Recurring)			
	a) Salary - Part - A	: 964.	13	
	b) Salary - Part - B	: 422.	36	1649.99
	c) Non-Salary components	: 263.	50	
	Total Expenditure			2439.49

4.0 INSTITUTE STAFF DEVELOPMENT

Staff Development is extremely important for bringing about any qualitative change in the system. It, therefore, needs to be planned in a manner so as to provide for the growth of the individual in accordance with one's innate capabilities and interests, bearing in mind one's job requirements as it is at present and likely to be in the foreseeable future.

In this direction, the institute continued to promote the development of its faculty and staff so as to

provide opportunities to upgrade their technological capabilities in terms of knowledge and skills. The activities under this aspect ranged from deputing faculty and staff for short term programmes organised by institutes of higher learning of the country and abroad and participation in various conferences and seminars. The institute also organised in-house training programmes for its own faculty/staff.

The details of training programmes attended by institute faculty/staff are given in Annexure III.

5.0 VISIT OF IMPORTANT PERSONS TO THE INSTITUTE DURING 2012-13

S. No.	Name and Address
1.	Shri Ashok Thakur, IAS, Secretary, Higher Education, MHRD, Government of India, New Delhi
2.	Dr. Abhijit Sen, Member, Planning Commission, Government of India
3.	Mrs. Geeta Bhukkal, Cabinet Minister (Education, Social Justice and Empowerment) Government of Haryana
4.	Dr. Rajneesh Arora, Vice Chancellor, Punjab Technical University, Jalandhar
5.	Dr. Shashi K. Dhiman, Vice Chancellor, HPTU, Hamirpur
6.	Dr. I K Bhat, Director, Malaviya National Institute of Technology, JAIPUR, Rajasthan
7.	Dr. S K Das, Director, NIT Jalandhar
8.	Dr. Santosh Satya, Professor, CRDT, IIT, Delhi
9.	Dr. R P Dahiya, Professor, IIT Delhi
10.	Dr. RK Sharma, Registrar, IIT Delhi
11.	Shri RP Gupta, Joint Secretary, State Board of Technical Education, Uttarakhand
12.	Shri K K Kataria, Additional Secretary, Directorate of Technical Education, Panchkula Haryana
13.	Shri Manish Jindal, Joint Secretary, Directorate of Technical Education, Panchkula Haryana
14.	Dr. Kishan Bir Choudhary, President, Bhartiya Krishak Samaj, New Delhi
15.	Dr. R R Gaur, Former Professor, IIT Delhi
16.	Dr. D S Khatri, Managing Director, JK Auto Private Limited, Gurgaon
17.	Dr. Raghuveer Singh, Director, JK Business School, Gurgaon
18.	Mr. Arvind Chouhan, Planning Head, Bharti Airtel, Chandigarh
19.	Mr. Arvind Dixit, CEO, Advance Technology Centre, Chandigarh

6.0 AUDITED ACCOUNTS

The Audited Accounts of the Institute for the year 2012-13 duly certified by Accountant General's office are enclosed at **Annexure IV**.

Annexure - I

INSTRUCTIONAL MATERIAL DEVELOPMENT

The following instructional material has been developed by the institute faculty during the year 2012-13:

Sr. No.	Instructional Material Developed	Author(s) Name
PRIN	NT MATERIAL	
	TEXT BOOKS	
1.	Entrepreneurial Innovations: Case Studies of Entrepreneurs, Incubators, Incubatees and Parks	S K Dhameja
	MANUALS	
1.	Microcontrollers and its Interfacing	S Chatterji Ritula Thakur
	MODULES	
1.	Strengthening Research Methodology	Deptt. Faculty
2.	Establishing Entrepreneurship Development, Management and III Cells in Technical Institutions	Deptt. Faculty
3.	TQM and NBA Accreditation in Technical Institutions	Deptt. Faculty
4.	Industry-Institute Interaction and Achievement Motivation Training	Deptt. Faculty
5.	Entrepreneurship Development	Deptt. Faculty
6.	Strategic Planning and NBA Accreditation in Technical Institutions	Deptt. Faculty
7.	Entrepreneurship using Blue Ocean Strategies and starting a Technology Business Incubator	Deptt. Faculty
8.	Entrepreneurship, Management and Employability-oriented Skill Development Programmes	Deptt. Faculty
9.	Industry-Institute Interaction.	Deptt. Faculty
	READERS	

In addition to above, instructional material for **225** short term training programmes were prepared by various departments and given to the participants in the form of CDs.

Social Entrepreneurship

1.

S K Dhameja

Sr.	Instructional Material Developed	Author(s) Name
No.		

NON-PRINT MATERIAL

CAI Packages

1. Writing Job Resume Sunil Dutt

2. Motivating Sunil Dutt

Video Films

- 1. Evaluation and Setting Question Papers
- 2. Instructional Methods: Seminar, Case Study and Brainstorming
- 3. Oral Communication Skills
- 4. Creativity and Innovation
- 5. Convergence in Education: Emerging Trends
- Mainstreaming the Differently Abled Persons in Technical and Vocational Education in India: Current Status, Issues and Challenges
- 7. PUNJAB A Destination for Higher Education
- 8. Ultra Wide Band Antenna Frequency Domain to Time Domain Characterization (Part-1)
- 9. Ultra Wide Band Antenna Frequency Domain to Time Domain Characterization (Part-2)
- 10. Quality of Instructions Challenges (Part 1)
- 11. Quality of Instructions Challenges (Part 2)
- 12. Project Report (Part 1)
- 13. Project Report (Part 2)
- 14. Financial Aspects for Project and SBI Schemes
- 15. Environmental Scanning and Budget Selection
- 16. Antenna Array (Part 1)
- 17. Antenna Array (Part 2)
- 18. Antenna Array (Part 3)
- 19. Management Skills
- 20. Quality Assurance in Technical Education
- 21. Sustainable Development

- 22. Curriculum Implementation
- 23. Planning and Delivering Effective Instruction
- 24. Entrepreneurship Development and Industry Institute Interaction
- 25. Planning, Organising and Evaluation of Practical Work
- 26. Instructional Media, E-Content Generation and Media Tools
- 27. National Vocational Education and Qualification Framework
- 28. Scheme of Community Development through Polytechnics
- 29. Centrally Sponsored Scheme for Integrating Persons with Disabilities in the Mainstream of Technical and Vocational Education
- 30. NITTTR Chandigarh In the Service of Technical Education
- 31. Designing a Curriculum for Polytechnic
- 32. Video, E Content Generation and Dissemination
- 33. CSKHPAU, Palampur A Leading University on Hill Agriculture (Hindi)
- 34. Technical Education in India and its Challenges
- 35. Role of Teacher in Technical Education
- 36. Values and Attributes to Make an Effective Teacher
- 37. Cyber Crime Investigation Model
- 38. Magical Wand of Tools and Implements for Hill Farm Women
- 39. Creativity and Innovation in Teaching and Research
- 40. Entrepreneurship
- 41. Research in Multidisciplinary Areas
- 42. Basic Principles of Remote Sensing Techniques and its Applications (Part 1)
- 43. Basic Principles of Remote Sensing Techniques and its Applications (Part 2)
- 44. Technical Education Status and Challenges
- 45. Expectation of Industry from Graduates of Polytechnic Colleges (Part -1)
- 46. Expectation of Industry from Graduates of Polytechnic Colleges (Part -2)

Annexure- II

A. PAPERS PUBLISHED BY THE INSTITUTE FACULTY

Sr. No.	Title of the Paper Published	Author(s) Name
	APPLIED SCIENCE	
1.	"FBG Temperature Sensor for Avionics Display System", published in International Journal of Advances in Aerospace Science and Applications, Vol.3, No.01 pp 1-11, (2013).	BC Choudhary et.al
	CENTRE FOR PHYSICALLY CHALLENGED PERSONS	
2.	"Relationship of Loneliness and Hopelessness with Depression among Persons with Disabilities and their Parents", International Journal of Disability Studies, Vol. 5&6, 01-04 November, 2011-12.	JS Saini
	CIVIL ENGINEERING	
3.	"Pavement Subgrade Stablisation with Rice Husk Ash", Indian Journal of Research, Vol. 01, Issue 05, 2250-1991, May, 2012.	SK Sharma Hemant Sood
	CURRICULUM DEVELEOPMENT CENTRE	
4.	"Improving Quality in Building Construction Industry through Implementation of Total Quality Management", Journal of Indian Building Congress, Vol. 19, No.1, 2012.	SK Gupta
	COMPUTER SCIENCE	
5.	"Image Segmentation for Uneven Lighting Images Using Adaptive Thresholding and Dynamic Window Based on Incremental Window Growing Approach", International Journal of Computer Application (IJCA) Volume 56, pp 31-36, 2012.	Maitreyee Dutta et.al
6.	"NIMBLE @ITCECNOGRID Vs ALCHEMI .NET: A Performance Comparison", International Journal of Computer Engineering and Technology (IJCET), Volume 3, Issue 3, pp 320-339, 2012.	Maitreyee Dutta et.al
7.	"A Forward Secure ECC Based Efficient Signcryption Scheme Using Zero Knowledge Proof", International Journal of Computer Science and Technology (IJCST) Volume 4, Issue 1, January-March, 2013.	Maitreyee Dutta et.al
8.	"Application of Machine Learning Techniques for Predicting Software Effort", Elixir International Journal of Computer Science and Engineering (ISSN 2229-712X), Volume 56, pp 13677-13682, March 2013.	Maitreyee Dutta et.al
9.	"Prediction of Software Effort Using Artificial Neural Networks and Support Vector Machine", International Journal of Advanced Research in Computer Science and Software Engineering (ISSN:2277-128X), Volume 3, Issue 3, pp 40-46, March, 2013.	Maitreyee Dutta et.al

Sr. No.	Title of the Paper Published	Author(s) Name
	EDUCATIONAL TELEVISION CENTRE	
10.	"Swine Influenza Inspired Optimization Algorithm and Its Application to Multimodal Function Optimization and Noise Removal", Journal of Artificial Intelligence Research, Vol.1, No.1, pp 18-30, September, 2012.	SS Pattnaik et.al
11.	"Metamaterial Embedded Earable Rectangular Microstrip Patch Antenna", International Journal of Antenna and Propagation, Special issue on Wearable Antenna and Systems, Hindwai Publication Corporation, ID 974315, pp.109, doi:1155/2012/974315, 2012.	SS Pattnaik et.al
12.	"Geo-textile Based Metamaterial Loaded Wearable Microstrip Patch Antenna", International Journal of Microwave and Optical Technology, Volume 8, No.1, pp. 25-33, January, 2013.	SS Pattnaik et.al
13.	"Accelerated Biogeography-based Optimization with Neighborhood Search for Optimization", Journal of Applied Soft Computing, pp. 2318-2342, Volume 13, 2013.	SS Pattnaik et.al
	ELECTRONICS AND COMMUNICATION ENGINEERING	
14.	"Effect of Wiener-Helstrom Filtering Cascaded with Bacterial Foraging Optimization to Despeckle the Ultrasound Images", International Journal of Computer Science Issues 9IJCSI), Vol.9, No.2, pp372-380 (IF=0.247 as per Thomsan Reuter), July, 2012.	Swapna Devi et.al
15.	"Performance Analysis of Modified Social Emotional Optimization Algorithm", Journal of Engineering Research and Technology, Vol.1, Issue 8, October, 2012.	Swapna Devi et.al
16.	"Electrically Small U-slot Loaded Circular Micro-strip Patch Antenna with CSRR", International Journal of Computer Application (IJCA), Vol. 58, No.21, pp.34-37, November, 2012.	Swapna Devi et.al
17.	"Sensitivity of Body Surface Potentials to Cardiac Size Using Boundary Element Methods", International Journal of Engineering Inventions (IJET), Vol.1, Issue 9, pp 9-12, 10 November, 2012.	Swapna Devi et.al
18.	"Leakage Power Reduction in CMOS VLSI Circuits", International Journal of Computer Applications, Volume 55, No.8, pp. 42-48, October, 2012.	Rajesh Mehra et.al
19.	"Crosstalk and Crosstalk Delay Minimization in On-chip DSM VLSI Interconnects", International Journal of Computer Science & Communication Networks, Vol. 2, No. 5, pp. 596-600, ISSN: 2249-5789. October, 2012.	Rajesh Mehra et.al

Sr. No.	Title of the Paper Published	Author(s) Name
20.	"Area Efficient FPGA Implementation of Sobel Edge Detector for Image Processing Applications", International Journal of Computer Applications, Volume 56, No.16, pp. ISSN No. 0975-8887, 07-11 October, 2012.	Rajesh Mehra et.al
21.	"Error Correction and Crosstalk Avoidance Techniques in On-Chip VLSI Interconnects", International Journal of Engineering Research & Technology (IJERT), Vol. 1, No. 8, pp. ISSN No. 2278-0181, 01-06 October, 2012.	Rajesh Mehra et.al
22.	"A Novel Technique for Glitch and Leakage Power Reduction in CMOS VLSI Circuits", International Journal of Advanced Computer Science and Applications, Volume 3, No.10, pp. 161-168, ISSN No. 0975-8887, 2012.	Rajesh Mehra et.al
23.	"Enhanced Resource Utilization in FPGA Based GSM Digital Up Converter", International Journal of Advanced Computing (IJAC), Volume 35, Issue 10, pp. 407-414, ISSN No. 2051-0845. Impact Factor: 2.31, 2012.	Rajesh Mehra et.al
24.	"Reconfigurable Design of GSM Digital Down Converter for Enhanced Resource Utilization", International Journal of Computer Applications (IJCA), Volume 57, No. 11, pp. 41-47, ISSN No. 0975-8887. Impact Factor: 0.814, November, 2012.	Rajesh Mehra et.al
25.	"Design and Analysis of Reconfigurable Interpolator Filter for Wimax Applications", International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)" Volume 1, Issue 6, pp. 45-52, ISSN No. 2278-909X, December, 2012.	Rajesh Mehra et.al
26.	"Design and Analysis of Multirate Filter for Wimax Application", International Journal of Engineering Research and Development (IJERD)" Volume 5, Issue 2, pp. 60-63, ISSN No. 2278-067X, December, 2012.	Rajesh Mehra et.al
27.	"Area Efficient Design of FIR filter Using Symmetric Structure", International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume1, Issue 10, pp. 842-845, ISSN No. 2319-5940, December, 2012.	Rajesh Mehra et.al
28.	"Efficient Explicit Pulsed Double Edge Triggered Flip-Flop by Using Dependency on Data", IOSR Journal of Electronics and Communication Engineering (IOSRJECE), Volume 2, Issue 1, pp. 01-07, ISSN: 2278-2834, July-August, 2012.	Rajesh Mehra et.al
29.	"Low Power Explicit Pulsed Conditional Discharge Double Edge Triggered Flip-Flop", International Journal of Scientific & Engineering Research, Volume 3, Issue 11, pp. ISSN 2229- 5518, 01-06 November, 2012.	Rajesh Mehra et.al

Sr. No.	Title of the Paper Published	Author(s) Name
30.	"Area Efficient Interpolator using Half-Band Symmetric Structure", International Journal of Recent Technology and Engineering (IJRTE), Volume 1, Issue 6, pp. 148-152, ISSN: 2277-3878. Impact Factor: 1.0, January, 2013.	Rajesh Mehra et.al
31.	"FPGA Based Cost Effective FIR Filter using Factored CSD Algorithm", International Journal of Recent Technology and Engineering (IJRTE), Volume 1, Issue 6, pp. 130-133, ISSN: 2277-3878. Impact Factor: 1.0, 2012.	Rajesh Mehra et.al
32.	"FPGA Based Design of Direct Form FIR Polyphase Interpolator Filter for Wireless Communication", International Journal of Electrical Electronics &Telecommunication Engineering, Volume 44, Issue 1, 1108-1113, ISSN: 2051-3240. Impact Factor: 2.221, February, 2013.	Rajesh Mehra et.al
33.	"Power Efficient Design of Multiplexer using Adiabatic Logic", International Journal of Advances in Engineering & Technology, pp. 246-254, Vol. 6, March, 2013.	Rajesh Mehra et.al
34.	"Efficient Error Reduction In Ultrasonic Distance Measurement Using Temperature Compensation", International Journal of Advanced Electrical & Electronics Engineering (IJAEEE), Vol-1, Issue-2, PP-57-63, ISSN: 2278-8948, November, 2012.	Rajesh Mehra et.al
35.	"Adaptive RLS-Received Signal Strength Algorithm in Wireless Network Area for Multi-Mobile Nodes Location Estimation System", International Journal of Computer Applications, Volume 64, No.15, pp. 12-15, ISSN No. 0975-8887, February, 2013.	Rajesh Mehra et.al
36.	"Area and Power Efficient CMOS Design by hybridizing PTL and GDI Techniques", International Journal of Computer Applications (IJCA), Volume 66, No. 4, pp. 15-22, ISSN No. 0975-8887. Impact Factor: 0.814, March, 2013.	Rajesh Mehra et.al
37.	"Reconfigurable Rectangular to Polar Converter using Linear Convergence", International Journal of Computer Applications, Volume 50, No. 5, pp. 23-27, ISSN No. 0975-8887, July, 2012.	Rajesh Mehra et.al
38.	"Efficient Rectangular to Polar Conversion for Multiband and Multimode Wireless Communications", International Journal of Computer Applications, Volume 64, No. 20, pp. 31-37, ISSN No. 0975-8887, February, 2013.	Rajesh Mehra et.al
39.	"Real Time RSSI Error Reduction in Distance Estimation using RLS Algorithm", 3rd IEEE International Advanced Computing Conference (IACC-2013), PP-653-657, ISBN: 978-1-4673-4528-6, February, 2013.	Rajesh Mehra et.al
40.	"Low Power TG Full Adder Design using CMOS Nano Technology", 2nd IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 210-213, December, 2012.	Rajesh Mehra et.al

Sr. No.	Title of the Paper Published	Author(s) Name
41.	"Application of Temperature Compensated Ultrasonic Ranging for Blind Person and Verification Using MATLAB", 3rd IEEE International Advanced Computing Conference (IACC-2013), PP-1143-1147, ISBN: 978-1-4673-4528-6, February, 2013.	Rajesh Mehra et.al
42.	"Comparative Analysis of Routing Protocols in Wireless Sensor Network", IRACST-International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN-9555, Vol.3, No.1, February, 2013.	Kanika Sharma et.al
43.	"Comparative Study of Clustering Based Routing Protocols for Wireless Sensor Network", International Journal of Computer Applications (0975-8887), Vol. 66-No.21, March, 2013.	Kanika Sharma et.al
44.	"Cooperative Partial Transmit Sequence for PAPR Reduction in Space Frequency Block Code MIMO-OFDM Signal", International Journal of Electronics And Communication Engineering & Technology (IJECET), Volume 3, Issue 2, pp. 321-327, July- September, 2012.	Garima Saini et.al
45.	"Selection of a Suitable Orthogonal Wavelet and its Optimum Level of Decomposition for Noise Reduction in Digital Wireless Communication", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 1, Issue 7, September 2012.	Garima Saini et.al
46.	"Performance Analysis of BFO for .PAPR Reduction in OFDM", International Journal of Soft Computing and Engineering Volume-2, Issue-5, pp.127-133, November, 2012.	Garima Saini et.al
47.	"BER Performance Analysis of Daubechies Wavelet In Dvb-T For Rayleigh Channel", International Journal of Engineering Research & Technology, Vol. 1, Issue 2, pp. 1-8, December, 2012.	Garima Saini et.al
48.	"Peak-to-Average Power Reduction of an OFDM Signal Using Clipping Method", International Journal of Advance Research In Science And Engineering, Vol. 1, Issue 1, December, 2012.	Garima Saini et.al
49.	"PAPR Reduction of an OFDM Signal Using Hybrid Clipping-A Law Companding Technique", International Journal of Advance Research In Science and Engineering, Vol. 1, Issue 1, December, 2012.	Garima Saini et.al
50.	"A Novel Low profile Planar Inverted-F Antenna (PIFA) for Mobile Handsets", International Journal of Scientific and Research Publications, Vol. 3, Issue 3, pp. 1-4, March, 2013.	Garima Saini et.al

Sr. No.	Title of the Paper Published	Author(s) Name
	EDUCATION AND EDUCATIONAL MANAGEMENT	
51.	"Creating An Enabling Environment for Hands On, Minds On & Hearts On in Technical Institutions", Journal of Engineering and Technical Education, Vol. 6:2, 2012.	PK Tulsi MP Poonia
52.	"Occupational Stress Among Polytechnic Teachers in Relation to Their Job Satisfaction and Demographic Variables", published in Sankalpa Journal of Education, IT and Management Research (SJEITMR) Vol.1, ISSN No. 2319, December, 2012.	SP Bedi et.al
53.	"E-book on Learning Styles and Personality Types of Engineering Students" published in Lap Lambert Academic Publishing, Germany, 2012.	Sunil Dutt et.al
54.	"Role of Research in Enhancing Quality of Higher Education", Chapter published in Book: Resurgence of Education- An Effort Towards Quality Culture in Education, Nirvaan Publication, Ludhiana, 2013.	Sunil Dutt
55.	"The Effect of Contextual Teaching Learning of Microprocessors on the Achievement of Degree Level Students", published in Engineering Education: Innovative Practices and Future Trends (AICERA), IEEE Explore, 2012.	Sunil Dutt et.al
	ELECTRICAL ENGINEERING	
56.	"A Novel Energy Management Software using NI Lab VIEW", International Journal of Emerging Technology and Advanced Engineering, Volume 2, No.5, May, 2012.	Shimi SL et.al
57.	"A Novel Ultra High Fidelity Power Quality and Energy Management Software using NI Lab VIEW", International Journal of IOSR, Volume 2, Issue 5, May, 2012.	Shimi SL et.al
58.	"Transient Stability Analysis of SMIB System Equipped with Hybrid Power Flow Controller", International Journal of Emerging Technology and Advanced Engineering, July, 2012.	Lini Mathew S Chatterji
59.	"Evaluation of Calibration of Moisture Meter for Indian Wheat by Microwave Oven Drying Technique and Commercial Moisture Meter", International Journal of Transactions of the Institute of Measurement and Control, 34 (5), pp. 539-545, July, 2012.	Ritula Thakur S Chatterji
60.	"Transient Stability Analysis of Multi-Machine System Equipped with Hybrid Power Flow Controller", International Journal of Computational Engineering and Management, Volume 15, Issue 4, ISSN (online) 2230-7893, July, 2012.	Lini Mathew S Chatterji

Sr. No.	Title of the Paper Published	Author(s) Name
61.	"A Novel Water Level Monitoring and Control of a Large Building using NI Lab VIEW", International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 7, July, 2012.	S Chatterji et.al
62.	"Trends and Challenges in EMG Based Control Scheme of Exoskeleton Robots- A Review", International Journal of Scientific and Engineering Research Volume 3, Issue 8, August, 2012.	S Chatterji et.al
63.	"Artificial Intelligence Based Optimization Algorithm for Demand Response Management of Residential Load in Smart Grid", published in International Journal of Engineering and Innovative Technology (IJEIT), Volume 2, Issue 4, October, 2012.	S Chatterji et.al
64.	"ANFIS Controller for Solar Powered Cascade Multilevel Inverter", International Journal of Electrical Engineering and Technology (IJEET), Volume 3, Issue 3 (2012), ISSN Print: ISSN 0976-6545, Journal Impact Factor (2012): 3.2, October-December, 2012.	Shimi SL S Chatterji
65.	"Prediction Model for Moisture Determination of Indian Wheat Based on Electrical Properties Variations", Journal on Quality Assurance and Safety of Crops and Foods, Volume 4, Issue 4, pages 206-215, December, 2012.	Ritula Thakur S Chatterji
66.	"Computer Aided Diagnostic Tool for Osteoporosis Estimation", International Journal of Biomedical Engineering and Technology, 9 (4), pp. 316-324, 2012.	Ritula Thakur S Chatterji
67.	"Microcontroller Based Pulse Electric Field Generator for Food (Liquid) Preservation", International Journal of Applied Engineering and Research, Volume 7, No. 11, pp 1592-1596, 2012.	Ritula Thakur S Chatterji
68.	"LabVIEW Based Transient Stability Analysis f Multi-Machine System Equipped with Hybrid Power Flow Controller", International Journal of Engineering Research and Development, Volume 3, Issue 2, 2012.	Lini Mathew S Chatterji
69.	"A Novel Fast Braking System for Induction Motor", International Journal of Engineering and Innovative Technology (IJEIT), Florida, Volume 1, Issue 6, 2012.	Shimi SL S Chatterji
70.	"Real Time Simulation of Solar Powered Cascaded Multilevel Inverter", International Journal of Engineering and Innovative Technology (IJEIT), Florida, Volume2, Issue 1, 2012.	Shimi SL S Chatterji
71.	"A Novel Ultra High Speed D.C. Motor Protection Using NI Lab VIEW", International Journal of Engineering and Innovative Technology (IJEIT), Volume 2, Issue 1, Florida, January, 2013.	Shimi SL S Chatterji

Sr. No.	Title of the Paper Published	Author(s) Name
72.	"Reduction in Harmonics in Marble Industry", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN: 2319-8753, Volume 2, Issue 2, pp 413-419, February, 2013.	Shimi SL et.al
73.	"Power Factor Management in Marble Industry", International Journal of Scientific Research Engineering and Technology (IJRSET) ISSN: 2278-7798, Volume 2, Issue 3, pp 585-590, March, 2013.	Shimi SL et.al
74.	"Design of Prepaid Power Meter with Communication Facility Based on GSM Network", International Journal of Scientific and Engineering Research, Volume 4, Issue 1, January, 2013.	Ritula Thakur S Chatterji
	MECHANICAL ENGINEERING	
75.	"Formability of Magnesium Alloys", International Journal of Modern Engineering Research, Vol.2, Issue 4, pp. 2466-2471, July-August, 2012.	SS Dhami et.al
76.	"Material Removal by Chemical Machining Polishing - A Review", International Journal of Advancement in Research and Technology, Vol. 1, Issue 5, October, 2012.	SS Dhami et.al
	MEDIA AND CONTINUING EDUCATION CENTRE	
77.	Published a Chapter: Impact of Awareness Campaign of Energy Conservation - A case study of UT, Chandigarh in Sustainable Approaches for Environmental Conservation, Biotech Books, New Delhi, 2013.	Rakesh Wats et.al
	RURAL DEVELOPMENT	
78.	"Parameters for Representing Graphics for Visually Challenged: An Exploratory Investigation", International Journal of Disability Studies, Vol. 5 & 6, Nos.1 to 4, pp 224-243, ISSN - 0973-4996, 2011and 2012.	Poonam Syal et.al
79.	"Virtual Spatial Workspace based Representation of Directed Graphics for Visually Challenged", Journal of Engineering, Science and Management Education, Vol-6, Issue-1, ISSN-0976-0121, pp 39-46, January-March, 2013.	Poonam Syal et.al
80.	"Spatial Tactile Apparatus and Methods for Creation and Navigation of Virtual Graphics for Visually Challenged", Patent Application numbered 1739/DEL/2012. The Patent Office, India, 06 June, 2012.	Poonam Syal et.al

B. PAPERS PRESENTED/ACCEPTED AT IMPORTANT CONFERENCES AND SEMINARS

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name	
	APPLIED SCIENCE		
1.	"Fiber Optic Communication - An Expressway for ICT Flow", National Seminar on ICT in Technical Education at NITTTR, Chandigarh, 06-07 September, 2012.	BC Choudhary et.al	
	CENTRE FOR PHYSICALLY CHALLENGED PERSON	NS	
2.	"Empowering the Deaf People through the Study of Fine Art", National Conference on Empowerment of the Persons with Hearing Impairment organized by AYJNIHH, Mumbai, Collaboration with NITTTR, Chandigarh, 21-22 March, 2013.	JS Saini	
	CIVIL ENGINEERING		
3.	"Industrial Waster Treatment", National Conference on Latest Development in Pollution Control at NITTTR, Chandigarh 21-22 November, 2012.	SK Sharma et.al	
4.	"Assessment of Impact of Bio-Medical Waste of Ground Water Quality" - A Case Study of Bilaspur, National Seminar at NITTTR, Chandigarh 21-22 November, 2012.	AK Duggal et.al	
5.	"Status of Noise Pollution from High Grounds to Hebbal Fly-Over Leading to Bangalore International Airport" National Seminar at NITTTR, Chandigarh 21-22 November, 2012.	AK Duggal et.al	
6.	"Load Penetration Behaviour of Fly Ash Stablized Soil Subgrade", National Conference on Contemporary Civil Engineering Research and Practices-CCEQP 2012, Manipal, Karnataka, 20-21 April, 2012.	SK Sharma Hemant Sood	
7.	"CBR Improvement Studies with Fly Ash and Rice Husk Ash Stablised Soil Subgrade", International Conference SPICON 2012 at SP College of Engineering Andheri, Mumbai 31 May - 2 June, 2012.	SK Sharma Hemant Sood	
8.	Repair Material and their Applications in Repair and Rehabilitation Structures", National Conference on Innovations in Concrete Technology at Gulzar Group of Industries, Ludhiana, 21 July, 2012.	SK Sharma	
9.	"Laboratory Studies for Soil Subgrade Strength Improvement", All India Seminar organised by the Institution of Engineers, Haryana State Centre in association with Geeta Institute of Management and Technology, Kanipler, Kurukshetra, 24-25 August, 2012.	SK Sharma Hemant Sood	

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
10.	"Geopolymer Cement as an Alternative to Ordinary Portland Cement towards Sustainability", National Seminar on Emerging Technologies in Civil Engineering at GIMT, Ludhiana, 24-25 August, 2012.	SK Sharma
11.	"Laboratory Studies for Soil Upgrade Strength Improvement", National Seminar on Emerging Technologies in Civil Engineering at GIMT, Ludhiana, 24-25 August, 2012.	SK Sharma
12.	"Geotechnical Properties of Fly Ash and Rice Husk Ash Stabilized Soil Subgrade", International Conference on Geo Manitopa 2012 at Winnipeg, Canada, 30 September, -03 October, 2012.	SK Sharma
	CURRICULUM DEVELOPMENT CENTRE	
13.	"Internationalization-Strategies for Indian Enterprises", during 12 th International Conference on Global Contemporary Issues, Innovations and Future Challenges in Business, IT and Management, Jaipur, 05-06 January, 2013.	PK Singla
	COMPUTER SCIENCE	
14.	"Linear Approximation Ratio for Steiner Tree Re-Optimization Using Sharpened Triangle Inequality", IEEE Conference 4 th ICECT (International Conference on Electronics Computer Technology), VI Institute of Technology, Chennai, Kanyakumari 06-08April, 2012.	Maitreyee Dutta et.al
15.	"Extracting Mass Regions in Mammograms Using GVF Snake", 2 nd International Conference Biomedical Engineering and Assistive Technologies, NIT Jalandhar 06-07 December, 2012.	Maitreyee Dutta et.al
16.	"A Comparative Study of Several Image Segmentation Techniques", International Conference on Recent Advances in IT and IT Management (ICRAITM), Volume 3, No. 1, pp 21-24, 2012.	Maitreyee Dutta et.al
17.	"An efficient Signcryption Scheme Based on ECC with Forward Secrecy and Encrypted Message Authentication", IEEE International Advance Computing Conference (IACC 2013) at AKGEC, Ghaziabad 22-23 February, 2013.	Maitreyee Dutta et.al
18.	"Comparative Performance Analysis of Information System Security Using Crisp and Fuzzy AHP Methods", 3 rd IEEE International Advance Computing Conference (IACC), Ghaziabad (UP), India, IEEE Explore Digital Library: pp 983-988, ISBN: 978-1-4673-4528-6, 22-23February, 2013.	Maitreyee Dutta et.al
19.	"Cloud Computing Based E-learning Services: A Review", National Seminar on ICT in Technical Education, pp 237-245, NITTTR, Chandigarh, 06-07 September, 2012.	C Rama Krishna et.al

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
20.	"Numerical Performance Evaluation of Heterogeneous Multi-Server Models with Breakdowns and FCFS, LCFS-PR, LCFS-NPR Repair Strategies", 3 rd IEEE International Advanced Computing Conference, Ghaziabad, India, pp 566-570, 22-23 February, 2013.	C Rama Krishna et.al
21.	"Novel Intrusion Detection System Integrating Layered Framework with Neural Network", 3 rd IEEE International Advanced Computing Conference, Ghaziabad, India, pp 682-689, 22-23 February, 2013.	C Rama Krishna et.al
22.	"A Combined Request/Response and Time-Delay Technique to Detect Attacks in a PKI-Based Architecture for M-Commerce", 3 rd IEEE International Advanced Computing Conference, Ghaziabad, India, pp 1357-1361, 22-23 February, 2013.	C Rama Krishna et.al
23.	"Optimising Android Phone's Capabilities Using the Power of Cloud", International Conference on Optimization Modelling and Applications (OPTIMA-2012), Department of Open Research, University of Delhi, New Delhi, 29 November - 01 December, 2012.	Mala Kalra et.al
24.	"Framework for Power Saving by Providing Energy as a Service to the Smartphone Users", International Conference on Optimization Modelling and Applications (OPTIMA-2012), Department of Open Research, University of Delhi, New Delhi, 29 November - 01 December, 2012.	Mala Kalra et.al
25.	"Multi-criteria Optimization Approach for Component Selection Incorporating ICD and Reliability for Component Based Software System", International Conference on Optimization Modelling and Applications (OPTIMA-2012), Department of Open Research, University of Delhi, New Delhi, 29 November - 01 December, 2012.	Mala Kalra et.al
26.	"Optimal Component Selection Based on Cohesion and Coupling for Component Based Software System Incorporating Build-or-Buy Strategy", 21 st International Conference of FIM on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2012-FIM XXI), Department of Statistics, Panjab University, Chandigarh, 15-17 December, 2012.	Mala Kalra et.al
27.	"Optimizing Battery Utilization and Reducing Time Consumption in Smartphone Exploiting the Power of Cloud Computing", 2 nd International Conference on Soft Computing for Problem Solving (SocPros 2012), JK Laksmipat University, Jaipur (Paper will be available online on Springer Verlog), 28-30 December, 2012.	Mala Kalra et.al

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
28.	"Autonomous Computation Offloading Application for Android Phones Using Cloud", 2 nd International Conference on Soft Computing for Problem Solving (SocPros 2012), JK Laksmipat University, Jaipur 28-30 December, 2012 (Paper will be available online on Springer Verlog.,	Mala Kalra et.al
29.	"Optimal Component Selection Based on Cohesion and Coupling for Component Based Software System", 2 nd International Conference of Soft Computing for Problem Solving (SocPros 2012), JK Laksmipat University, Jaipur (Paper will be available online on Springer Verlog), 28-30 December, 2012.	Mala Kalra et.al
	EDUCATIONAL TELEVISION CENTRE	
30.	"Design of A Miniaturized Crown Rectangular Fractal Antenna using EBF Neural Networks", National Symposium on Antennas and Propagation (APSYM 2012) at Cochin University, Cochin, pp. 147-150, 17-19 December, 2012	SS Pattnaik et.al
31.	"Performance Evaluation of Artificial Neural Networks in Microstrip Fractal Antenna Parameter Estimation", IEEE International Conference on Communication Systems 2012 (IEEEICCS'12), Singapore, pp. 135-139, 21-23 November, 2012.	SS Pattnaik et.al
	ELECTRONICS AND COMMUNICATION ENGINEERI	NG
32.	"Reconfigurable Digital up converter for multirate systems", 2 nd WSEAS International Conference on Applied and Computational Mathematics, Vouliagmeni, Athens, Greece, 14-16 May, 2013.	Rajesh Mehra
33.	"Role of ICT - A Review", National Seminar on ICT in Technical Education, at NITTTR, Chandigarh, 06-07 September, 2012.	SBL Sachan et.al
34.	"FPGA Based FIR Filter Using Parallel Pipelined Structure", 12 WSEAS International Conference on Signal Processing, Baltimore, USA Paper ID: 70603-103(4973) 17-19 September, 2013.	SBL Sachan Rajesh Mehra
35.	"MIMO Channel Modelling Methods: An Overview", IEEE International Conference on Advanced Research in Engineering and Technology (IEEE-ICARET, 2013), KL University, Vaddeswaram, Guntur (AP), 08-09 February, 2013.	SBL Sachan et.al
36.	"Glitch and Leakage Power Reduction Technique in CMOS VLSI Circuits", IEEE International Symposium of Standards in Engineering and Technology (ISSET), pp.50-51, October, 2012.	Rajesh Mehra et.al

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
37.	"Multiplier Based Reconfigurable Design of Pulse Shaping Filter using MAC Algorithm", International Conference on Computational Vision and Robotics (ICCVR), pp. 38-42, Bhubaneswar, India, ISBN 978-93-82208-10-5, August, 2012.	Rajesh Mehra
38.	"High Speed Reconfigurable Design of FIR Filter using Multiplier Less Technique", National Conference on Electronics, Communication, Sensing and Signal Processing (ECSS), Siliguri, West Bengal, India, November, 2012.	Rajesh Mehra
39.	"PAPR Reduction using Cooperative PTS for Space Frequency Block Code MIMO-OFDM signal", 2nd IEEE International Conference on Parallel Distributed and Grid Computing (PDGC), pp.132-134, 06-08 December, 2012.	Garima Saini et.al
40.	"Review of ICI Cancellation Techniques used in OFDM system", International Conference on Telecommunication and networks, AMITY University Uttar Pradesh , Noida, pp. 22-25, 27-28 February, 2013.	Garima Saini et.al
41.	"A Survey on Capacity Analysis for Multiuser MIMO Downlink System in Wireless Communication", International Conference on Telecommunication and networks, AMITY University Uttar Pradesh, Noida, pp. 22-25, 27-28 February, 2013.	Garima Saini et.al
42.	"Peak- To-Average Power Ratio Reduction of SCFDMA Signal by Hybrid Technique", International Conference on Emerging Trends and Developments in Science, Management and Technology (2013-ICETDSMT) at RGKIT, Ghaziabad, 11-12 March, 2013.	Garima Saini et.al
43.	"Power & Delay Analysis of Different 2:1 Multiplexer using 90 nm Nanotechnology", International Conference on Electrical, Electronics and Computer Science (ICEECS), pp. 57-61, Chandigarh, India, November 2012.	Rajesh Mehra et.al
44.	"Efficient Error Reduction In Ultrasonic Distance Measurement Using Temperature Compensation", International Conference on Advances in Electrical, Electronics and Computer Sciences (ICAEECS), PP-70-76, ISBN: 978-93-81693-68-5, November, 2012.	Rajesh Mehra et.al
	EDUCATION AND EDUCATIONAL MANAGEMENT	
45.	"Quality Concerns in Higher Education: Teacher Education", National Seminar (NAAC sponsored) on Current Issues in Education at SNS College of Education for Women Santpura (Yamunanagar) 13-14 March, 2013.	SP Bedi

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
46.	"Information Disclosure Practices through Websites by Open and Distance Education Universities in Northern India: A Content Analysis", National Conference on Correspondence Education to Open and Distance Education: 50 Years of Revolution and Challenges Ahead, 06-06 June, 2012.	SP Bedi et.al
47.	"Strategies for Integration and Innovations" National Seminar on Reviewing and Restructing Teacher Education Curriculum for Future Teachers at Panjab University, Chandigarh 22.03.2013.	SP Bedi
48.	"Role of Technology in Enhancing Quality of Higher Education", International Conference on Role in Enhancing Quality of Higher Education, KMV, Jalandhar 26.10.2012.	PK Tulsi
49.	"Research and Development", Seminar on Research Methodologies and Project Innovation at Chandigarh University, Gharuan 25.01.2013.	PK Tulsi
50.	"Making Breakthrough Innovations Happen: Lesson's Learnt", National Conference on Structuring Innovations through Quality at SVIET, Banur 19.03.2013.	PK Tulsi
51.	"E-learning and Inclusive Education", ICSSR sponsored National Seminar on Re-Imagining Teacher Education: Perspectives and Transformations at Chandigarh College of Education, Landran (Mohali), 8-9 March, 2013.	SP Bedi
52.	"Hybrid Learning in a Teacher Education Programme and Technology Programmes", National Seminar on ICT in Technical Education by EMGT at NITTTR, Chandigarh on 06-07 September, 2012.	Sunil Dutt et.al
53.	"Computer Graphics as ICT Tools for Teaching -Learning of Mathematics in Engineering", National Seminar on ICT in Technical Education by EMGT at NITTTR, Chandigarh on 06-07 September, 2012.	Sunil Dutt et.al
54.	"The Effect of Problem-based Learning Instructions in undergraduate programme in Civil Engineering", International Conference on Role of Technology in Enhancing the Quality of Higher Education at Kanya Maha Vidyalaya, Jalandhar on 26-27 October, 2012.	Sunil Dutt et.al
55.	"ICT's for Professional Development of Teachers of Higher Education National Seminar on M-learning-Revolution in Education at Surjeet Memorial College of Education, Ferozepur on 09.02.2013.	Sunil Dutt et.al
56.	"Research in Higher Technical Education - Quality Concerns and Strategies for Developing Research Culture", 7 th Chandigarh Congress (CHASCON): Engineering Education organised by Panjab University at PEC University of Technology, Chandigarh on 02.03.2013.	Sunil Dutt et.al

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
	ELECTRICAL ENGINEERING	
57.	Diagnosis of Coronary Heart Diseases Risk Using Fuzzy Logic Expert System", National Conference on Recent Advancements in Communication System and Image Processing, BK Birla Institute of Engineering and Technology, Pilani, 02-03 April. 2012.	Lini Mathew et.al
58.	"Determination of Coronary Heart Diseases Risk Using Fuzzy Logic Expert System", National Conference on Emerging Trends in Intelligent Computing and Communication, Galgotias College of Engineering and Technology, Greater Noida, UP, 13-14 April. 2012.	Lini Mathew et.al
59.	"Design and Analysis of a New Fractional Order PIV Controller with Velocity Acceleration Feed forward for Disturbance Rejection in Servo System", International Mechanical Engineering Congress (ASME) 2012.	S Chatterji et.al
60.	"Modification in Design of Small Wind Turbine to Increase Power Output", IEEE Conference on Power Engineering and Automation (PEAM 2012), Wuhan, China 14-16 September, 2012.	Shimi SL et.al
61.	"Sustainability of Wind - Solar Hybrid Energy System in Indian Scenario - A Case Study", 28 th National Convention of Electrical Engineers, pp: 105-109, Thiruvananthapuram, Kerala, 06-07 October, 2012.	S Chatterji et.al
62.	"Insulating Buildings: the Magical Wand for Energy Management" International Conference on Power Electronics and Energy Systems-2012 Chitkara University, Punjab, 26-27 October, 2012.	Shimi SL et.al
63.	"Power Electronics in Traction and Automotive", International Conference on Power Electronics and Energy Systems-2012 Chitkara University, Punjab, 26-27 October 2012.	Shimi S L et.al
64.	"Concentrator Based Solar Tile for Optimized Results", International Conference on Power Electronics and Energy Systems-2012 Chitkara University, Punjab, 26-27 October, 2012.	Shimi SL et.al
65.	Modelling and Control Technique Used in DFIG Based Wind Turbine under Normal Grid Condition", International Conference on Power Electronics and Energy Systems-2012 at Chitkara University, Punjab, 26-27 October, 2012.	Shimi SL et.al
66.	"A Review of Different Wind Generator Systems and Their Comparison" International Conference on Power Electronics and Energy Systems-2012 at Chitkara University, Punjab, 26-27 October, 2012.	Shimi SL et.al

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
67.	"Evolution of Power Electronics Engineering" International Conference on Power Electronics and Energy Systems-2012 Chitkara University, Punjab, 26-27 October, 2012.	Shimi SL et.al
68.	"Lab VIEW Based Transient Stability Analysis of a SMIB System When Equipped with Hybrid Power Flow Controller, First Michael Faraday IET India Summit -2012" An IET Event, India 25 November, 2012.	Lini Mathew S Chatterji
69.	"Design and Implementation of a Novel Physiological Parameters Measuring Device Using GSM Module Based on Microcontroller", 2 nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), National Institute of Technology, Jalandhar, India, 06-07 December, 2012.	S Chatterji et.al
70.	"Performance Analysis of Fractional Order Cascade Controller for Boost Converter in Solar Photovoltaic System", International Conference on Engineering NUICONE 12, Nirma University, Ahmedabad, Gujarat, 6-8 December, 2012.	S Chatterji et.al
71.	"Trends and Challenges in Optimization Techniques for Operation and Control of Microgrid - A Review", 1st IEEE International Conference on Power and Energy at NERIST, Arunachal Pradesh, India 28-29 December, 2012.	S Chatterji et.al
72.	"V/F Based Speed Controllers for an Induction Motor Using AI Techniques - A Comparative Analysis", 2nd International Conference on Soft Computing for Problem Solving SOC Pros 2012 J K Lakshmipat University, Jaipur, India, 28-30 December, 2012.	Lini Mathew et.al
73.	"Performance Analysis of Fractional-Order Controller for pH Neutralization Process", IEEE-International Conference on Power, Control and Embedded Systems (ICPCES), 2012 Allahabad, 23-25 January, 2013.	S Chatterji et.al
74.	"Performance Analysis of integer and Fractional Order Current Mode Control Strategies Applied to Boost Power Converter", IEEE International Conference, Narsi Munji Institute of Management Studies, Mumbai, 23-25 January 2013.	S Chatterji et.al
75.	"Multi-Agent Systems (MAS) Controlled Smart Grid - A Review", International Conference on Recent Trends in Engineering and Technology, ICRTET'2013, Chandwad, Nashik, 22-24 February, 2013.	S Chatterji et.al
76.	"A Novel Artificial Intelligence Based Ultramodern Smart Building using NI Lab VIEW ", International Conference on Advance Computing and Communication, ICACC-2013.	Shimi SL S Chatterji

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name	
77.	"A Comparative Analysis of Speed Controllers for Permanent Magnet Synchronous Motor (PMSM), using Soft Computing Techniques", International Conclave on Innovation in Engineering and Management, ICIEM at BITS Pilani, February, 2013.	Lini Mathew et.al	
	LIBRARY		
78.	"Case for Scenario Approach for Achieving Sustainable Development in Polytechnic Libraries", National Seminar on Sustainable Development of Rural India by 2022 at NITTTR, Chandigarh, 07-08 March, 2013.	Manmohan Singh	
	MECHANICAL ENGINEERING		
79.	"Noise Signature Analysis Based Condition Monitoring System for Ball Bearings", National Symposium on Instrumentation (NSI-37) organized by Instrument Society of India, Department of Instrumentation, Indian Institute of Science, Bangalore at CSIO, Chandigarh, October 30 to November, 01, 2012.	SS Dhami	
	MEDIA AND CONTINUING EDUCATION CENTRE		
80.	"Examination Reforms in Higher Education in India: Need and Perspectives", International Conference on Higher Education, University of Guelph, Ontario, Canada, 18-21 June, 2012.	Rakesh Wats	
81.	"Comprehensive Continuous Evaluation for Enhancing Quality of Higher Education", International Conference on Higher Education, University of Guelph, Ontario, Canada, 18-21 June, 2012.	Rakesh Wats	
	RURAL DEVELOPMENT		
82.	2. "Constructed and Floating Wetland for phytoremediation and Waste Water Treatment", International Workshop on Bio-energy, Solar and Water Treatment: Technology and Business Solutions at Aston University, Birmingham, UK, 03-07 July, 2012.		
83.	"Biogas Technology and Organic Farming", during International Workshop on Bio-energy, Solar and Water Treatment: Technology and Business Solutions at Aston University, Birmingham, UK, 03-07 July, 2012.	UN Roy	
84.	"NITTTR, Chandigarh - A Partner in IIT, Delhi and Aston University, UK Science Bridge Project", International Workshop on Bio-energy, Solar and Water Treatment: Technology and Business Solutions at Aston University, Birmingham, UK, 03-07 July, 2012.	JS Saini	

Sr. No.	Title of the Paper Presented/Accepted	Author(s) Name
85.	"Threatening Environmental issues and Interventions for Sustainable Development", First Annual Convention on Climate Change and Water: Act Today Save Tomorrow at Gyan Vihar University, Jaipur, 10-12 October, 2012.	UN Roy
86.	"Retail Banking: An Overview", during National Conference on Retail Banking in India: Issues and Concerns at DAVIET, Jalandhar, 18-19 January, 2013.	Amit Goyal et.al
87.	"Sustainable Development of Rural India by 2022: A Background Paper", National Seminar on Sustainable Development of Rural India by 2022, at NITTTR, Chandigarh, 07-08 March, 2013.	UN Roy
88.	"Role of Polytechnic Teachers in Sustainable Development", Seminar on Role of Polytechnic in Development of State at Pandit Raj Tiwari Polytechnic College, Mahuar Kalan, Chandauli,16 March, 2013.	UN Roy
89.	"Toward Inclusive Society", National Conference on Empowerment of the Persons with Hearing Impairment organised by AYJNIHH, Mumbai in collaboration with NITTTR, Chandigarh 21-22 March, 2013	Poonam Syal

Annexure – III

TRAINING PROGRAMMES ATTENDED BY INSTITUTE FACULTY/ STAFF

Sr. No.	Area and Place of Training	Period	Attended by Shri/Ms
1.	Online e-learning Training Programme on Damage and Reconstruction Needs Assessment organised by NIDM, New Delhi and World Bank Institute, Washington.	19 Mar – 12 Apr, 2012	UN Roy
2.	AICTE sponsored FDP on Pedagogy in Technical Education at CDLM College of Engineering, Sirsa.	20 April - 03 May, 2012	Shano Solanki
3.	Advances in Engineering Materials at Dr. Mahalingam College of Engineering and technology, Pollachi, Coimbatore	22 April - 05 May, 2012	UN Roy
4.	Workshop on "Cyber Crime Awareness" conducted by e-core Solutions at NITTTR Chandigarh	10-11 May, 2012	Maitreyee Dutta
5.	TEQIP-II /AICTE-FDP on Recent Developments in Mechanical Engineering at PEC University of Technology, Chandigarh	11-22 June, 2012	SS Dhami
6.	ISTE sponsored Workshop on "Introduction to Research Methodologies" as remote centre co-ordinator from NITTTR Chandigarh and organised by IIT Bombay	28 June - 04 July, 2012	Maitreyee Dutta
7.	Quality Improvement Programme on Computer Graphics at IIT Delhi	02-13 July, 2012	Shano Solanki
8.	Regional Level Workshop on "MATLAB" at Panjab University, Chandigarh	18 July, 2012	Maitreyee Dutta Mala Kalra
9.	Finite Element Analysis of Structures with MATLAB and ABAQUS Based Simulations at IIT Delhi	23-27 July, 2012	VK Sonthwal
10.	NBA Accreditation at DTU, Delhi	21-22 September, 2012	BS Pabla SS Banwait
11.	"Elements of Artificial Intelligence" at NITTTR Kolkata	06-10 August, 2012	Maitreyee Dutta
12.	TEQIP, Andhra Pradesh State Workshop at Hyderabad	17-18 August, 2012	SK Dhameja

13.	Induction Training Programme - Phase I at NITTTR, Bhopal	27 August - 07 September, 2012	Ritula Thakur
14.	Leadership Development Programme for Vocational Education at Perth, Australia	03-19 September, 2012	JS Saini Rakesh Wats
15.	Renewable Energy Materials and their Industrial Applications at IIT Kharagpur	05-16 November, 2012	UN Roy
16.	Workshop on "Aakash for Education" through ICT conducted by IIT Bombay at NITTTR, Chandigarh	10-11 November, 2012	Maitreyee Dutta UN Roy
17.	Technical and Vocational Education and Training Leaders in Education at ITE, Singapore	03-07 December, 2012	MP Poonia
18.	International Workshop on Cloud Computing and HPC at Thapar University, Patiala	05-08 December, 2012	Mala Kalra
19.	Application of Solar Energy and Photovolties at IIT, Roorkee	12-18 December, 2012	Rajesh Mehra
20.	Mentors Learning Forum on Good Governance at World Bank, New Delhi	26 February, 2013	SK Dhameja
21.	Master Trainers Training Programme on Quality Management Standards and Quality Technology organised by Quality Council of India, Delhi at NITTTR, Chandigarh	11-15 March, 2013	JS Saini S Chatterji DD Sharma SS Pattnaik SP Bedi Rakesh Wats Ajay Duggal Maitreyee Dutta
22.	Master Trainers Training Programme on Quality Management Standards and Quality Technology organised by Quality Council of India, Delhi at NITTTR, Chandigarh at NITTTR, Chennai	18-22 March, 2013	SK Dhameja SBL Sachan PK Singla SS Dhami Hemant Sood Sunil Dutt
23.	DST-Govt. of India sponsored FDP on Entrepreneurship Development at NITTTR Chandigarh	18-29 March, 2013	TN Thukral
24.	Workshop on "Breathing Mechanics" at IIT Roorkee	31 March, 2013	Komal



भारतीय लेखा तथा लेखा परीक्षा विमाग ANNEXURE -IV कार्यालय महानिदेशक – लेखा परीक्षा (केन्द्रीय), चण्डीगढ़

INDIAN AUDIT AND ACCOUNTS DEPARTMENT OFFICE OF THE DIRECTOR GENERAL OF AUDIT (CENTRAL), CHANDIGARH - 160017

क्रमांक / No.: DGA(c)/Ur(V)/SAR NITTTR/2013 14/28 दिनांक / Dated : 95 10/2013 A 0000

· To

The Secretary,
Department of Secondary and Higher Education,
Ministry of Human Resource Development,
Government of India,
Shastri Bhawan,
New Delhi-110001.

Subject:- Audit Report on the Accounts of National Institute of Technical Teachers' Training and Research, Chandigarh for the years 2012-13.

Sir,

Please find enclosed a copy of Audit Report (English), on the annual accounts of National Institute of Technical Teachers' Training and Research, Chandigarh for the year 2012-13 to be placed before both the house of Parliament. The date of presentation of the report before both the houses of Parliament may please be intimated to this office. Five copies of the above report may also be sent to this office after presentation in parliament. Receipt of this letter may kindly be acknowledged.

Yours faithfully,

-- Sd --Director General

Encls :- Audit Report (English)

A copy of Audit Report forwarded to the Director, National Institute of Technical Teacher's Training and Research, Sec 26 Chandigarh for information and necessary action please.

Director

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh for the year ended 31 March 2013.

- We have audited the Balance sheet of National Institute of Technical Teachers' Training and Research, Chandigarh as at 31 March 2013, the Income & Expenditure Account and Receipts & Payment 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 a period of five years from 2008-09 to 2012-13. 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 Reports/ 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 disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
- 4. Based on our audit, we report that:
 - i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
 - ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payment Account dealt with by this report have been drawn up in the format approved by the Government of India, Ministry of Finance.

- iii) In our opinion, proper books of accounts and other relevant record have been maintained by the National Institute of Technical Teachers' Training and Research, Chandigarh as required under Clause 19 (a) of the Memorandum of Association of the Institute in so far as it appears from our examination of such books.
- iv) We further report that:
- A Balance Sheet
- A.1. Liabilities
- A.1.1 Current Liabilities and Provisions (Schedule 2)
- A.1.1.1 Provisions

This does not include ₹ 22.09 lakh, being the liability towards revenue expenditure incurred during the year 2012-13. This has resulted in understatement of Current liabilities as well as deficit for the year 2012-13 and overstatement of Corpus/ Capital fund by ₹ 22.09 lakh.

A.1.1.2 Provision for Gratuity: ₹ 752.43 lakh

Government of India, Ministry of Finance, Department of Expenditure vide notification dated 25 April 2013, enhanced the rate of DA from 72 % to 80 % wef 1-1-2013. The Institute while making the provision for payment of Gratuity has considered rate of DA as 72 per cent instead of 80 per cent, leading to under provision of gratuity by ₹ 25.06 lakh. This has resulted in understatement of liability (provision for Gratuity) as well as deficit during the year by ₹ 25.06 lakh. Corpus/ Capital fund has also been overstated to same extent.

A.1.1.3 Provision for Leave encashment: ₹ 598.06 lakh

Government of India, Ministry of Finance, Department of Expenditure vide notification dated 25 April 2013, enhanced the rate of DA from 72 % to 80 % wef 1-01-2013. The Institute while making the provision for payment of Leave Encashment has considered rate of DA as 72 per cent instead of 80 per cent, leading to under provision of Leave Encashment by ₹ 27.82 lakh. This has resulted in understatement of liability (provision for Leave Encashment) as well as deficit during the year by ₹ 27.82 lakh. Corpus/Capital fund has also been overstated to same extent.

A.1.1.4 Provision for Pension Fund

Provision for liability towards pension on superannuation of employees has not been made.

A.2. Assets

Assets under GOI Projects (Schedule 4A): ₹ 38.60 lakh

These assets are created out of Grants for Specific purpose/ projects as such these assets should have been shown separately as utilization under Earmarked/ Endowment Funds as required in Form of Financial Statements for the Central Autonomous Bodies. This has resulted in overstatement assets as well as liabilities (Earmarked/ Endowment Funds) by ₹ 38.60 lakh.

B. Income and Expenditure account

As per the form of financial statements prescribed for autonomous bodies by the Govt of India, the Gross receipts towards consultancy fees should be shown as Income; and expenditure incurred on the same should be shown as 'other administrative expenses'. During the year 2012-13, the institute earned an income of ₹ 135.19 lakh towards consultancy fee. However, while booking the above income, the institute has reduced the relevant expenditure of ₹ 73.54 lakh from it and only net income was shown under the Income head. The netting off the income over expenditure is in contravention to the form of financial statements. This has resulted in understatement of Income as well as Expenditure by ₹ 73.54 lakh for the year 2012-13.

C. General

Net impact of Audit comments on the Annual Accounts

Net impact of Audit comments on the Annual Accounts of NITTTR for the year ending 31 March 2013 is as under:

- i. Asset overstated by ₹38.60 lakh.
- ii. Liabilities understated by ₹ 36.37 lakh.
- iii Deficit for the year understated and Corpus/Capital Fund overstated by ₹74.97 lakh.

D. Grants in aid

Out of the grant in aid of ₹ 20.25 crore (Plan: ₹ 7.10 crore and Non Plan: ₹ 13.15 crore) received during the year and ₹ 3.84 crore (Plan: ₹ 0.01 crore and non Plan: ₹ 3.83 crore) generated from internal resources,

the Institute could utilize a sum of ₹ 24.39 crore (Plan: ₹ 7.89 crore and Non Plan: ₹16.50 crore), leaving a balance of ₹ 9.96 crore (Plan: ₹ 0.01 crore and Non Plan: ₹ 9.95 crore) as unutilised grant as on 31st March 2013. The opening balance of grants was ₹ 10.26 crore (Plan ₹ 0.79 crore and non Plan: ₹ 9.47 crore).

E. Management letter

Deficiencies which have not been included in the Audit report have been brought to the notice of the Institute's management through a management letter issued separately for remedial / corrective action.

- v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipt & Payment 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 the National Institute of Technical Teachers' Training and Research, Chandigarh as at 31st March 2013; 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.

Director General of Audit (Central), Chandigarh

Place: Chandigarh

Date:

Annexure to Audit Report

1 Internal Audit System:

The institute has an internal audit wing, which is considered adequate and commensurate with size and activities of the Institute.

2 Internal Control System:

For areas seen by audit the internal Control is considered adequate and commensurate with size and activities of the Institute except in respect of following areas which may be strengthened:

- i. Register/ list of title deeds for the landed properties and buildings was not being maintained.
- Security deposits/ fidelity guarantees were not obtained in respect of employees handling valuables such as cash and stocks.
- iii. There was no plan of rotation of duties of employees dealing with cash, stocks and other valuables.
- iv. No Accounting manual had been prepared by the Institute.

3 Physical verification of Fixed Assets/ Inventory:

Physical verification of fixed assets/ Inventory was conducted regularly and no major difference was noticed.

4 Regularity in payment of statutory dues:

Institute is depositing undisputed statutory dues with the appropriate authorities.

Sr. Audit Officer

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH

BALANCE SHEET AS AT 31.3.2013

LIABILITIES	COLLEGULE	CURRENT	PREVIOUS
	SCHEDULE	YEAR RUPEES	YEAR IN LAKH
Corpus/Capital Fund: Corpus/Capital Fund-Endowment	1-(a)	2,268.49	2,175.58
Fund	1(b)	52.22	
Current Liabilities and Provisions	2	1,480.88	1,389.24
Deposits	3	1,531.74	1,399.12
Total Liabilities		5,333.33	4,963.94
ASSETS			
Fixed Assets - Net Block	4	2,670.51	2,421.71
Assets under GOI Projects	4A	38.60	45.39
Other Assets	5	10.14	11.58
Advances Account	6	56.16	39.15
Provident Fund/NPS etc	7	1,268.35	1,179.33
Cash & Bank Balances	8	1,289.57	1,266.78
Total Assets		5,333.33	4,963.94

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.3.2013

PARTICULARS		CURRE	CURRENT YEAR		OUS YEAR
	SCHEDULE	PLAN	NON LAN	PLAN	NON PLAN
INCOME			(RUPEE	S IN	LAKH)
Income from Sales/Service	9	-	-	-	-
Grant received under Revenue					
Account	10	230.00	1,315.00	380.00	1,420.00
Grant in Transit				-	-
Fee subscription/Sundry Debtors	11	-	369.02	7.36	340.76
Total		230.00	1,684.02	387.36	1,760.76
Grant Total Plan/Non Plan		1,914.02		2,148.12	
EXPENDITURE					
Establishment Expenses	12	115.48	1,216.75	103.74	1,040.03
Other Expenses		119.98	35.57	84.19	30.88
Liabilities & Provisions	13	10.28	545.23	10.79	529.05
Administrative Expenses	14	0.21	66.59	0.01	52.87
Operation & Maintenance		17.46	133.53	8.01	126.57
Total		263.41	1,997.67	206.74	1,779.40
Grand Total		2,261.08		1,986.14	
Balance being surplus/deficit carr	ied over	-34	17.06	10	61.98

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.3.2013

LIABILITIES	CURRENT YEAR		PREVIOUS YEAR
	RUPEES	IN	LAKH
Schedule-1 (A) Corpus/Capital Fund:			_
Opening balance at the beginning of the year	2,114.98		1,953.00
Grant-in-aid received during the year-main account	480.00		-
Add: Less of Income over Expenditure Account	-347.06		161.98
Add : Prev. year depts. add back on rejected Equip.	0.59		-
Add : Fee hold Land (including stamp duty 1.16 lac)	15.68		-
Add: Prior period arrear of rent on residential houses	1.19		
Add : Prior Period Rent of Auditorium	2.94		
Add prior period receipt of consultancy projects-civil	3.11		
Less : Prior Period receipt against DIL Project	-2.32		
Less :Prior period adjustments - TDS Demand	-0.62		-
Total	2,268.49		2,114.98
			_
Schedule-1 (B) Endowment Fund/Sponsored Projects	•		
Opening balance - Govt. of India Projects	60.60		69.41
Net Capital/Corpus fund under GOI Projects	-8.21		-8.81
Add: Salaries Payable during the year	0.06		-
Add : Prior Period Interest Accrued	0.48		-
Less : Prior Period FDR excess Shown	-0.63		-
Less :Prior period adjustments - Salary/Arrear	-0.08		-
Total	52.22		60.60
Total (A+B)	2,320.71		2,175.58
Schedule-2-Current Liabilities and Provisions			_
Sundry Creditors-Securities	-		-
Sundry creditors (time barred cheques)	3.55		2.30
Provisions			
Leave Encashment	598.06		553.71
Gratuity	752.43		714.70
Maintenance Student Centre/Electrical/Building	1.82		4.37
Salaries	88.11		76.45
Dearness Allowance	4.90		9.64
Telephone & Trunkcall	0.14		0.12
Electricity & Water Charges	7.38		3.77
Pension to Retirees	19.25		19.27
New Pension Fund – Employer's Share	2.10		1.87
Property Service Tax	2.64		2.64
Audit Fee & Legal & Professional Charges	0.50		0.40
Total	1,480.88		1,389.24
Schedule- 3- Deposits			
Recovery & Deductions/Security Deposits etc.			
Annexure – I	169.63		179.28
Sponsored Projects- Plan	93.76		40.51
Provident Fund -Annexure – II	1,265.39		1,164.75
New Pension Scheme - Annexure - III	2.96		14.58
Total	1,531.74		1,399.12
Total Liabilities	5,333.33		4,963.94

ASSESTS Schedule - 4 Assets Value-Net Assets as per schedule -net block 2,373.23 2,145.03 Capital Work In Progress including Capital Advance 297.28 276.68 **Total** 2,670.51 2,421.71 Schedule - 4 A Fixed Assets as per GOI Balance sheet 38.60 45.39 38.60 45.39 **Total Fixed Assets** 2,709.11 2,467.10 **Schedule-5- Other Assets** Advance Securities 0.07 Security of LPG 0.07 Security of LPG for PG Hostel 0.45 0.45 Security -SDO Electrical 0.01 0.01 Security of Electrical Meter 0.01 0.01 Security of Water Meter 0.01 0.01 Security of telephone - (EPABX) 0.15 0.15 Security of Meter at Principal's lodge 0.01 0.01 Total 0.71 0.71 **Postal Account** Franking Machine-Postage- Opening Balance 0.36 0.73 Received during the year 2.23 2.95 Less consumed during the year -2.77 -2.58 Total 0.73 0.19 **Printing & Stationery Account** Opening Balance 4.09 4.05 6.26 Add during the year 5.96 Less consumed during the year -5.92 -7.38 Total 2.97 4.09 Consumable Stores Opening Balance 1.78 2.60 Add during the year 34.58 13.41 Less consumed during the year -35.33 -14.23 Total 1.03 1.78 **Library Journals** Journals (Advance Account) - Opening balance 4.27 2.62 Add during the year 4.51 4.14 Less journals capitalized during the year -3.70 -2.49 **Total** 5.08 4.27 **Sundry Debtors** Opening Balance Add during the year - Rent Mess/Canteen/AICTE 0.16 0.12 Less written off during the year -0.12

Total

Total Schedule - 5

11.58

0.16

10.14

Schedule- 6

Advance Account

Paid during the year 5.93 7.95 Less recovered during the year -7.74 -6.80 Total 24.10 25.91 Permanent Imprest Copening Balance 0.05 0.05 Add paid during the year Less received during the year Less received during the year Less received during the year Total 0.05 0.05 TDS 2011-2012 2.21 2.21 2.21 TDS 2012-2013 2.64 Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Frovident Fund - Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance Cash & Bank Balance Cash & Bank Balance 3.35 1,179.33 Schedule - 8 Cash & Bank Balance 2.10 6.60 Total 1,268.35 1,179.35 1,266.78 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Total 1,289.57 1,266.78 Total 1,289.57 1,266.78 Total 1,289.57 1,266.78 Total 1,289.57 1,266.78	Loans & Advances to Staff-Opening Balance	25.91	24.76
Total 24.10 25.91 Permanent Imprest Opening Balance 0.05 0.05 Add paid during the year - - Less received during the year - - Total 0.05 0.05 TDS 2011-2012 2.21 2.21 TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2.10 6.60 Cash & Bank Balance 3.35 0.38 Cash in hand 2.10 6.60	· · ·	5.93	7.95
Permanent Imprest Opening Balance O.05 O.05 Add paid during the year	Less recovered during the year	-7.74	-6.80
Opening Balance 0.05 0.05 Add paid during the year - - Less received during the year - - Total 0.05 0.05 TDS 2011-2012 2.21 2.21 TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 13.62 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR - Against Letter of Credit 30.35 1.70 Interest Accrued on FDR		24.10	25.91
Opening Balance 0.05 0.05 Add paid during the year - - Less received during the year - - Total 0.05 0.05 TDS 2011-2012 2.21 2.21 TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 13.62 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR - Deposits Account 1,052.41 1,202.26 FDR - Against Letter of	Permanent Imprest		
Add paid during the year		0.05	0.05
Less received during the year	· · · · · · · · · · · · · · · · · · ·	-	0.00
Total 0.05 0.05 TDS 2011-2012 2.21 2.21 TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2.96 14.58 Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR - Deposits Account 1,052.41 1,202.26 FDR - Against Letter of Credit 30.35 -	· · · · · · · · · · · · · · · · · · ·	_	_
TDS 2011-2012 2.21 2.21 TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 - - Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 - - Cash & Bank Balance - - Cash & Bank Balance - 13.62 15.21 Institute Grants Account - - - Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR - Deposits Account 1,052.41 1,202.26 FDR - Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10		0.05	0.05
TDS 2012-2013 2.64 - Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2.96 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
Advance to Firms/TAX appeal 1.00 1.00 Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2.96 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			2.21
Advance to Firms/TAX - 2011-2012 9.98 9.98 Prepaid Subscription Fee for Library 16.18 Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			1.00
Prepaid Subscription Fee for Library 16.18 - Total 32.01 13.19 Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - III 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.10 6.60 3.2 1.0 1.0 3.0	• •		
Total 32.01 13.19 Total Schedule- 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - III 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2 Cash & Bank Balance 13.62 15.21 Institute Grants Account 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			9.90
Total Schedule - 6 56.16 39.15 Schedule - 7 Provident Fund -Annexure - III 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			12 10
Schedule - 7 Provident Fund -Annexure - II 1,265.39 1,164.75 New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 3.35 1,179.33 Cash & Bank Balance 3.36 15.21 Institute Grants Account 2.10 6.60 Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
Provident Fund -Annexure - III 1,265.39 1,164.75 New Pension Scheme - Annexure - IIII 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 2 3 Cash & Bank Balance 13.62 15.21 Institute Grants Account 2.10 6.60 Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Total Schedule- 6	30.10	39.13
New Pension Scheme - Annexure - III 2.96 14.58 Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance 2 3 Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account 2.10 6.60 Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Schedule - 7		
Total 1,268.35 1,179.33 Schedule - 8 Cash & Bank Balance Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account 2.10 6.60 Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Provident Fund -Annexure - II	1,265.39	1,164.75
Schedule - 8 Cash & Bank Balance 13.62 15.21 Institute Grants Account Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	New Pension Scheme - Annexure - III	2.96	14.58
Cash & Bank Balance Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Total	1,268.35	1,179.33
Cash & Bank Balance Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Schedule - 8		
Cash & Bank Balance as per GOI Balance Sheet 13.62 15.21 Institute Grants Account 2.10 6.60 Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78		13.62	15.21
Cash in hand 2.10 6.60 Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	Institute Grents Assount		
Temporary Imprest 3.35 0.38 Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78		2.10	6 60
Balance at Bank 171.04 16.23 FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
FDR- Deposits Account 1,052.41 1,202.26 FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
FDR- Against Letter of Credit 30.35 - Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78			
Interest Accrued on FDR 16.70 26.10 Total 1,289.57 1,266.78	•	· ·	1,202.26
Total 1,289.57 1,266.78	•		-
Total Assets 5.333.33 // 063.04	TOTAL	1,289.37	1,200.78
10101 7000100 4,000.00	Total Assets	5,333.33	4,963.94

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, CHANDIGARH FIXED ASSETS AS AT 31.3.2013

FIXED ASSETS- NET BLOCK - SCHEDULE -4

	PARTICULARS	Rate %		GR	OSS BLOCK				DEPRECIATION					BLOCK
			Cost/evaluation as at beginning of the year	Additions before 30.9.2012	Additions after 30.9.2012	Deductions during the year	cost/value at the year end	As at the beginning of the year	On Additions of the year	On Deduction of the year	+ Depreciation add back prior period	Total at the year end	As at the current year end	As at the previous year end
Α	Fixed Assets					I	(RUPEE	S IN	LAKH)	T	I		
1	Institute Account													
i	Land - Free hold	0	-	15.68	-	-	15.68	-	-	-	-	-	15.68	-
ii	Land - Lease hold	0	18.90	-	-	-	18.90	0.25	-	0.25	-	0.50	18.40	18.65
iii	Buildings- Residential	5	394.43	-	-	-	394.43	297.87	4.83	-	-	302.70	91.73	96.56
iv	Buildings- Office Block	10	406.74	44.46	73.14	-	524.34	308.82	17.90	-	-	326.72	197.63	97.92
V	Buildings- Hostel	5	1,209.72	-	-	-	1,209.72	244.83	48.24		-	293.07	916.65	964.89
vi	Equipments	15	2,143.02	17.06	221.43	8.11	2,373.40	1,332.61	139.51	-	0.59	1,471.53	901.87	810.41
vii	Computer	60	143.09	-	28.89	-	171.98	105.07	31.48	-	-	136.55	35.43	38.02
viii	Books	100	79.83	5.73	10.82	-	96.38	79.83	16.55	•	-	96.38	-	-
ix	Technical Journals	100	48.31	-	3.70	-	52.01	48.31	3.70	•	-	52.01	-	-
х	Furniture Fixture & Electrical Installation	10	201.77	1.79	83.99	-	287.55	92.12	15.34	-	-	107.46	180.09	109.65
xi	Vehicle	15	19.07	-	-	-	19.07	17.25	0.27	-	-	17.52	1.55	1.82
2	Continuation Education						-			-	-			
i	Equipments	15	4.40	-	-	-	4.40	4.18	0.03	•	-	4.21	0.19	0.22
3	Sponsored Projects						-			•	-			
i	Equipments	15	10.63	-	2.00	-	12.63	7.43	0.63	-	-	8.06	4.57	3.20
ii	Vehicle	15	-	-	6.76	-	6.76	-	0.51	-	-	0.51	6.25	-
4	Assets under OBC-OSC						-			-	-			
i	Equipments	15	3.96	-	-	-	3.96	1.44	0.38	-	-	1.82	2.14	2.52
ii	Furniture	10	1.45	-	-	-	1.45	0.27	0.12	-	-	0.39	1.06	1.18
iii	Books	100	1.27	-	-	-	1.27	1.27	-	-	-	1.27	-	-
	Total - A		4,686.59	84.72	430.73	8.11	5,193.93	2,541.55	279.49	0.25	0.59	2,820.70	2,373.23	2,145.04
В	Advances Account													
i	Capital Work in Progress with Chd Admin.		32.07	-	-	1.49	30.58	-	-	-	-	-	30.58	32.07
ii	Expenditure on building-work in progress - New Lab		57.20	-			57.20	-	-	-	-	-	57.20	57.20
iii	Capital Work in Progress- Road		16.69	-	38.78	16.69	38.78	-	-	-	-	-	38.78	16.69
iv	Expenditure on building-work in progress		170.72	-		-	170.72	-	-	-	-	-	170.72	170.72
	Total - B		276.68	-	38.78	18.18	297.28	-	-	-	-	-	297.28	276.68
	Grand Total		4,963.27	84.72	469.51	26.29	5,491.21	2,541.55	279.49	0.25	0.59	2,820.70	2,670.51	2,421.72

Sd/-Accounts Officer NITTTR, Chandigarh

Detail of Lease Hold Land of NITTTR Detail of Amortization up to the Financial Year 2012-13

	Land	Acre (Sq. Yard)	Date of Commence ment of Lease	Period of Lease	Cost	Registry Charges	Total	Amount Amortized Per year	Amortized years	Amount to be amortized	Amount Amortised up to previous year
lease	Sector 42-B, Chandigarh	6057.969	2.3.1988	99	1,428,706.00	47,985.00	1,476,691.00	14,916.00	25	372,902.00	357,986.00
lease	Sector 29, Chandigarh	3622.958	15.6.1988	99	613,375.00	20,670.00	634,045.00	6,404.00	25	160,111.00	153,707.00
lease	Sector 26, Chandigarh	4755.5555	23.10.1984	99	356,667.00	12,315.00	368,982.00	3,727.00	29	108,085.00	104,358.00
		14,436.48			2,398,748.00	80,970.00	2,479,718.00	25,047.00		641,098.00	616,051.00
Gift	Sector 26, Chandigarh (15 Acre)		25.04.1979		1452000	116000	1,568,000.00				
	Sd/-								Sd/-		

Sd/-Accounts Officer, NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.3.2013

PARTICULARS	CURREN	IT YEAR	PREVIO	US YEAR
		NON		NON
	PLAN	PLAN	PLAN	PLAN
		(RUPEES	IN	LAKH)
INCOME				
Schedule-9				
Income from sales/service			-	-
Schedule-10-Grants/subsidies				
From Government of India				
Revenue Account	230.00	1,315.00	380.00	1,420.00
Grant in transit	-	-	-	-
Grant under (OSC)-OBC scheme			-	<u> </u>
Total	230.00	1,315.00	380.00	1,420.00
RECEIPTS				
Internal Resources				
Interest Account				
Interest earned/accrued on S/B Account &				
FDR	-	69.64	-	98.15
Interest received on advances to staff	-	3.53	-	3.36
Total	-	73.17	-	101.51
Rental Receipts				
Rent from Residential Houses	-	5.79	-	3.99
Rent from Hostel	-	26.96	-	29.13
Rent from AICTE	-	0.98	-	0.98
Rent from Auditorium		5.70		0.40
Rent from Mess/ Canteen	-	0.10	-	0.12
Total	-	39.53	-	34.22
Fee Receipts		404.00		404.55
Fee from ME Students	-	134.00	7.00	104.55
Fee under various courses	<u>-</u>	49.11	7.36	57.60
Total	-	183.11	7.36	162.15
Receipts from other sources				
Institute Receipts	_	0.22	_	2.20
Recovery against books	_	0.22	_	2.20
Receipt from Publications	_	0.79	_	1.71
Receipt from consultancy share	_	39.39	_	16.66
Royalty share	_	0.55	_	0.61
Sale proceeds of Prospects	_	4.92	_	5.67
Ph.D Fee	_	3.40	_	3.41
Penal Interest	_	0.05	_	0.04
Write off time barred cheques		-		2.90
Fee from RTI	_	0.08	_	0.06
Overhead Charges	_	22.21	_	9.25
Receipt from photocopy charges	_	0.45	_	0.37
Written off Securities	-	1.08	-	-
Total	_	73.21	-	42.88
Total Receipts	_	369.02	7.36	340.76
Grand Total	230.00	1,684.02	387.36	1,760.76
Total Plan and Non Plan		1,914.02		2,148.12
		.,552		_,

EXPENDITURE

Schedule -12 Establishment Expenses				
Salaries-Pay & Allowances				
Faculty	62.91	396.15	56.05	355.33
Technical Non Teaching/C&D Staff	51.62	465.28	46.12	390.75
Bonus	51.02	4.22	0.31	4.06
Dearness allowance	0.95	8.76	0.51	9.59
LTC	0.93	7.59	_	6.70
	-	27.24	1.26	25.96
Medical treatment charges Reimbursement of cost of books	-	0.80	1.20	0.83
	-	1.53	-	1.50
Institute Share-(CPF)	-		-	66.25
Pension - Faculty	-	82.50	-	
Pension - C & D Staff	-	121.93	-	104.71
Pension & Retirement benefit	-	43.69	-	35.74
Arrear MACP	-	2.14	-	0.78
Children Education Allowance	-	11.97	-	10.55
New Pension Fund Contribution	-	30.43	-	16.63
Stipend to apprenticeship trainees	-	0.05	-	0.20
Professional Development Allowance	-	7.25	-	3.95
Leave Encashment for LTC	-	5.22	-	6.50
Total	115.48	1,216.75	103.74	1,040.03
Other Payments				
Over Time Allowance	0.10	0.66	0.10	0.70
Travelling Allowance	101.77	18.44	66.16	8.60
Fee & Honorarium	18.11	16.47	17.93	21.58
Total	119.98	35.57	84.19	30.88
Schedule-13 Liability & Provisions				
Depreciations-Net Block (as shedule-4)	-	279.49	-	243.73
Salaries to Staff	10.28	77.83	9.61	66.84
Dearness Allowance	-	4.90	1.18	8.46
Leave Encashment	-	69.65	-	77.64
Gratuity	-	79.53	-	100.68
Maintenance Student				
Centre/Electrical/Building	-	1.82	-	4.37
Telephone & Trunkcall charges	-	0.14	-	0.12
Service Charges on Property	-	2.64	-	2.64
Electricity & Water charges	-	7.38	-	3.77
Pension to retirees	-	19.25	-	18.93
New Pension Fund - Employer Share	-	2.10	-	1.87

Audit Fee & Legal /Professional Charges Total	10.28	0.50 545.23	10.79	529.05
Total	10.20	343.23	10.79	329.03
Schedule-14				
Administrative Expenses-Contingencies				
Misc. Expenses(Office)	-	4.38	-	3.65
Printing & Stationery	0.21	7.17	-	5.92
Liveries	-	0.81	-	0.43
Hindi Day	-	0.25	-	0.29
Independence/Vishkarma Day	-	0.44	-	0.02
Contingencies various labs(Academic)	-	35.33	-	14.23
Advertisement	-	4.56	-	9.74
News Paper & Periodicals	-	0.34	-	0.33
Annual Day expenses	-	1.36	-	1.42
Postage & Telegram	-	2.77	-	2.58
Telephone/Trunk call charges	-	2.71	-	2.96
Entertainment & Contingency	-	1.02	-	2.22
Reference Books	-	-	-	0.04
Purchase of Medicines	-	0.04	-	0.02
Legal & Professional Charges	-	2.61	-	0.51
Library Contingency	-	0.94	-	0.95
Library Membership	-	-	-	
Ground Rent on lease hold land	-	0.59	-	0.59
Amortization of Lease Hold Land	-	0.25	-	0.25
Printing of News letter	-	-	-	0.04
Audit Fee	-	-	-	2.78
Annual Sports	-	-	-	3.78
Interest on Service Tax	-	0.49		
Written off Securities		-		0.02
Vigilance Day	-	-	0.01	
Teachers Day	-	0.02	-	0.10
ISO 9001-2008	-	0.51	-	
Total	0.21	66.59	0.01	52.87
Operation & Maintenance				
Mtc. Student Centre	_	4.81	_	20.28
Mtc. Electrical	_	5.64	0.56	9.41
Mtc. Electrical Lab.		0.75	0.50	0.31
Mtc Rural Development		0.73	_	1.12
Mtc. Media Centre	_	1.97	_	1.61
Mtc. ETV Lab.	5.25	7.42	0.46	1.01
Mtc. Civil Lab.	5.25	5.54	0.40	1.86
Mtc. Phones & Communications	_	1.43	-	0.75
Mtc. Electronics & Communications	<u>-</u>	0.42	0.01	0.73
Mtc. Guest House	- -	1.99	0.01	1.19
Mtc. Furniture	-	1.99	-	2.13
	- 0.00		- 6 1 E	
Mtc. Buildings	2.33	38.16	6.45	40.15
Mtc. Campus	-	0.64	-	0.77

Mtc. Vehicle	-	3.32	-	4.26
Mtc. Curriculum Development Centre	-	0.55	-	-
Mtc Ref. & Air Condition	-	3.96	-	4.50
Electricity & Water Charges	3.38	35.03	-	27.28
Repair of Machinery	-	-	-	0.02
Mtc. EDIC Lab.	-	0.06	-	0.03
Mtc. Computer Science Lab.	0.04	6.23	0.41	0.75
Mtc. Mechanical Engg. Lab	1.00	0.90	-	0.77
Mtc Education & Educational Lab.	-	0.33	-	2.63
Mtc Annual Sports	-	7.24	-	0.15
Mtc. Internet	-	2.17	-	3.79
Mtc Hostel	-	0.59	-	0.06
Mtc. Library	5.39	-	0.03	-
Mtc Applied Science Lab.	0.07	1.11	0.09	0.36
Mtc. Electronics Service Centre	-	1.27	-	0.44
Total	17.46	133.53	8.01	126.57
Grand Total	263.41	1,997.67	206.74	1,779.40
Total Plan and Non Plan		2,261.08		1,986.14
Balance being deficit carried over	-347	161.98		

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.3.2013

PARTICULARS	CURRE	NT YEAR	PREVIOUS YEAR		
	PLAN	NON PLAN	PLAN	NON PLAN	
RECEIPTS		(RUPI	EES IN	LAKH)	
Balance at the beginning of year	1,251.92	-	985.35	-	
Grant received during the year	710.00	1,315.00	380.00	1,420.00	
Deposits including consultancies	-	537.81	-	464.39	
Other Receipts					
Interest Receipts	-	56.12	-	103.81	
Rent Receipts	-	43.50	-	34.34	
Fee Receipts	-	183.11	7.36	161.57	
Fee from other sources	-	80.27	-	49.27	
Other Receipts	1.39	6.35	1.40	5.46	
Sponsored Projects	151.83	-	27.44	-	
Total	2,115.14	2,222.16	1,401.55	2,238.84	
Grand Total Plan/Non Plan	4,337.30		3,640.39		
PAYMENTS					
· //······					
Non Recurring - Capital Assets	497.03	_	321.29	-	
Recurring Payments					
Establishment Expenses	126.27	1,380.24	112.33	1,191.49	
Other Expenses	127.23	43.76	86.64	45.16	
Administrative Expenses	5.32	62.56	8.54	46.44	
Operation & Maintenance	33.64	147.64	9.81	138.60	
Sponsored Projects	109.66		18.40		
Deposits including consultancies		544.70		409.77	
Cash & Bank Balances	1,259.25	-	1,251.92	-	
Total	2,158.40	2,178.90	1,808.93	1,831.46	
Grand Total		4,337.30		3,640.39	

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEAHCERS TRAINING AND RESEARCH SECTOR-26, CHANDIGARH SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.3.2013

Α	RECEIPTS	CURRENT	YEAR	PREVIOU (Rupees	
ı	Balance at the beginning of the year			(itapede	,
	Cash in hand	6.60		1.48	
	Temporary Imprest	0.38		0.24	
	Balance in Bank	16.23		210.13	
	Deposit Account	1,202.26		34.00	
	Interest accrued on FDR	26.45		-	
	Draft in Transit	-		739.50	
	Total Cash	1,251.92		985.35	
			NON		NON
		PLAN	PLAN	PLAN	PLAN
II	Grants-in-aid received from Govt. of India				
	On Capital Account-Creation of Capital Assets	480.00	-	-	-
	On Revenue Account	230.00	1,315.00	380.00	1,420.00
	Grant in transit	-	-	-	-
	Total Grants	710.00	1,315.00	380.00	1,420.00
Ш	Deposits (including consultancies)	-	537.81	-	464.39
	(as annexure-I)				
IV	Internal Resources				
а	Interest Account				
	Interest earned on S/B Account & FDR	-	52.59	-	100.45
	Interest received on advances to staff	-	3.53	-	3.36
	Total	-	56.12	-	103.81
b	Rental Receipts				
	Rent from residential Houses	-	6.98	-	3.99
	Rent from Auditorium		8.64		
	Rent from Hostel	-	26.96	-	29.13
	Rent from AICTE	-	0.84	-	0.98
	Rent from Mess/Canteen	-	0.08	-	0.24
	Total		43.50	-	34.34
С	Fee Receipts				
	Fee from ME Students	-	134.00	-	103.97
	Fee under various courses	-	49.11	7.36	57.60
	Total	-	183.11	7.36	161.57
d	Receipt from other sources				
	Institute Receipts (Misc.)		0.24	-	2.20
	Recovery against books		0.05	-	-

	Receipt from Publication		0.79	-	1.71
	Sale of Newspaper & Periodicals		-		-
	Sale proceeds of fixed assts		0.29	-	11.15
	Receipt from consultancy share		37.08	-	14.80
	Royalty share		0.55	-	0.61
	Sale proceeds of Prospects		4.92	-	5.67
	Ph-D Fee		3.40	-	3.41
	Penal Interest		0.05		0.04
	Overhead charges		22.21	-	9.25
	RTI Fee		0.08	-	0.06
	Photocopy charges		0.45	-	0.37
	Sundry Creditors		9.08		
	Written off Securities		1.08		-
	Total		80.27	-	49.27
е	Other Receipts				
	Recovery of Loans & Advances	1.39	6.35	1.40	5.40
	Time barred cheques	-	-	-	0.06
	Permanent Imprest	-	-	-	-
	Pension & Leave salary contribution	-	-	-	-
	Total	1.39	6.35	1.40	5.46
	Total Receipts	1.39	369.35	8.76	354.45
V	SPONSORED PROJECTS				
٧	6.18-ME	_	_	0.34	_
	AICTE QIP Poly	18.07	_	-	_
	IT-Bionary Project	5.15	_	9.80	_
	DST NIMAT	1.23	_	0.01	_
	AICTE QIP Student (SC/ST) Students	1.25	_	1.50	_
	AICTE Summer Schools	_	_	8.00	_
	Eco-Water Literacy (Sc.& Tech)-R.D.	_	_	5.00	_
	AICTE Sponsored Students -INSPIRE	_	_	3.00	_
	fellowship	-	-	2.79	_
	PBR 12- PWD PBR	60.41	-	-	-
	PADB - 13	56.24	-	-	-
	5.13 ETV Video Film for Shimla	1.75	-	_	_
	5.13 ETV IGNOU	1.03	-	_	-
	5.13 ETV Video Film for Palampur	2.00	-	-	-
	Ph.D. Academic Fee	0.40	-	_	-
	Others	5.55			
	Total	151.83	-	27.44	-
			2 222 46		0.000.04
	Grand Total	2,115.14	2,222.10	1,401.55	2,238.84
	Total Plan and Non Plan	2,115.14 4,337.30	2,222.16	3,640.39	2,238.84

В	PAYMENTS	CURRE	NT YEAR	PREVIOUS YEAR	
	_	Plan	Non Plan	Plan	Non Plan
ı	Non Recurring - Capital Assets				
	Renovation of buildings	21.50	-	5.95	-
	Advance for renovation with CPWD (8 works)	30.00	-	1.49	-
	Equipment purchased during the year	267.38	-	256.94	-
	Advance adjusted for water lane pipe	(1.49)	-	-	-
	Re-surfacing of Roads	77.97	-	16.69	
	Software for Library	-		19.36	
	Equipment - Sponsored Project	-		0.10	
	Library Books	5.67			
	Advance for Renovation of Electrical Works	8.78	-	1.82	
	Furniture purchased during the year	12.28	-	18.94	-
	Installation of Electrical Power Generator	73.50	-	-	-
	Installation of Water pipe Line	1.44	-	-	-
	Expenditure under OSC-OBC(Recg/NonRecg)	-	-	-	-
	Total	497.03		321.29	-
II	RECURRING				
а	Establishment expenses				
	Salaries-Pay & Allowances to:				
	Faculty	72.52	462.99	64.64	411.38
	Technical Non Teaching/C&D Staff	51.62	465.28	46.12	390.75
	Bonus	-	4.22	0.31	4.06
	Dearness allowance	2.13	17.22	-	17.86
	LTC	-	7.59	-	6.70
	Medical treatment charges	-	27.24	1.26	25.96
	Reimbursement of cost of books	-	0.80	-	0.83
	Institute Share-(CPF)	-	1.53	-	1.50
	Pension - Faculty	-	101.77	-	80.20
	Pension - C & D	-	121.93	-	104.71
	Pension & Retirement benefits to retirees	-	43.69	-	35.74
	Gratuity	-	41.80	-	33.84
	Leave encashment-for LTC	-	5.22	-	6.50
	Leave encashment to retirees	-	25.30	-	34.03
	Leave Salary & Pension Contribution	-	-		4.00
	New Pension Fund - Contribution	-	32.30		16.63
	Professional Development Allowance	-	7.25		3.95
	Tuition Fee	-	11.97		10.55
	Festival Advance to Staff	-	-	-	1.52
	Arrear MACP	-	2.14	-	0.78
	Total	126.27	1,380.24	112.33	1,191.49
b	Other Payments				
	Over time allowance	0.10	0.66	0.10	0.70
	Library Books	2.91	7.97	2.06	0.35
	Library Journals	4.34	0.17	0.39	3.75
	Income Tax				

	TA including STC	101.77	18.44	66.16	8.60
	Stipend	-	0.05	-	0.20
	Fee & Honorarium	18.11	16.47	17.93	21.58
	Total	127.23	43.76	86.64	45.16
С	Administrative Expenses				
	Service charges on Property	-	2.64	-	2.55
	Printing & Stationery	0.21	6.05	2.58	3.38
	Liveries	-	0.81	-	0.43
	Hindi Day	-	0.25	-	0.29
	Independence Day /Vishkarma Day	-	0.44	-	0.02
	Contingencies various labs.(Academic)	5.11	29.47	5.95	7.46
	Advertisement	-	4.56	-	9.74
	Teachers Day	-	0.02	-	0.10
	Annual Sports	-	-	-	3.78
	Vigilance Day	-	-	0.01	-
	News Paper & Periodicals	-	0.34	-	0.33
	Annual Day Celebrations	-	1.36	-	1.42
	Postage & Telegramme	-	2.23	-	2.95
	Telephone Trunkcall charges	-	2.83	-	3.25
	Entertainment & Contingencies	-	1.02	-	2.22
	Reference Books	-	-	-	0.04
	Legal /Professional charges	-	1.47	-	0.87
	Library Contingencies	-	0.94	-	0.95
	Ground Rent	-	0.59	-	0.59
	Printing of Publication	-	-	-	0.04
	Audit Fee	-	1.54	_	2.38
	Library Membership	-	-	-	-
	Misc. Expenses(Office)	-	4.38		3.65
	Interest on TDS		0.62		
	Interest on Service Tax	-	0.49		
	Contg. Under (OSC)-OBC Scheme	-	-	-	-
	ISO 9001-2008	-	0.51	-	-
	Total	5.32	62.56	8.54	46.44
d	Operation & Maintenance				
	Mtc Student centre	-	9.18	-	21.79
	Mtc Electrical	-	5.64	0.56	9.41
	Mtc Electrical lab	-	0.75	-	0.31
	Mtc Rural Development	-	0.51	-	1.12
	Mtc Media	-	1.97	-	1.61
	Mtc ETV Lab	5.25	7.42	0.46	1.01
	Mtc Civil Lab	-	5.54	-	1.86
	Mtc Phones & Communications	-	1.43	-	0.75
	Mtc. Electronics & Communications	-	0.42	0.01	0.94
	Mtc Guest House	-	1.99	-	1.19
	Mtc Furniture	-	1.49	_	2.13
	Mtc Buildings	2.33	38.16	6.45	42.65
	Mtc Campus	-	0.64	-	0.77
	Mtc Vehicle	-	3.32	-	4.26
	Mtc Curriculum Development Centre	-	0.55	-	-
	Mtc Ref. & air conditioning lab	-	3.96	-	5.21
	J				

	Florida 1 0 Water Olivera	0.00	00.00		00.04
	Electricity & Water Charges	3.38	38.80	-	29.94
	Repair of Machinery	-	-	-	0.02
	Mtc EDIC Lab	-	0.06	-	0.03
	Mtc Electronics Service Centre	-	1.27	-	0.44
	Mtc Hostel	-	0.59	-	0.06
	Mtc Computer Sc. Lab.	0.04	6.23	0.41	0.75
	Mtc Mechanical Engg Lab	1.00	0.90	-	0.77
	Mtc Education & Educational Lab	-	0.33	-	2.63
	Mtc Applied Sc. Lab	0.07	1.11	0.09	0.36
	Loans & Advances to staff	-	5.93	1.80	4.63
	Mtc Sports	-	7.24	-	0.15
	Purchase of Medicines	-	0.04		0.02
	Internet Connectivity	-	2.17	-	3.79
	Mtc Subscription fee for Library software	21.57	-	0.03	-
	Total	33.64	147.64	9.81	138.60
	Total Payments	789.49	1,634.20	538.61	1,421.69
е	Sponsored Projects				
	NCP-AICTE	-	-	0.74	-
	Development of Infrastructure - ETV	-	-	0.58	-
	ETV 5.13 Video Film Shimla	0.01	-	-	-
	IT Bionary- AICTE Projects-RD	7.12	-	7.13	-
	Eco-Water literacy- RD	2.23	-	2.21	-
	AICTE QIP Poly	18.74	-	5.33	-
	PBR 12	33.95	-	-	-
	5.13 ETV Kapurthala	0.24	_	_	_
	5.13 ETV Palampur	0.09	_	_	_
	Ph.D. Fee Academic Cell	3.19	_	_	_
	DIL Project	2.10	-	_	_
	5.13 ETV IGNOU	0.43	-	_	_
	GATE -AICTE Project	0.72	-	2.16	_
	PADB - 13 (Mechanical)	40.84	-	-	_
	Space 5.29 Education	-	-	0.25	_
	Total	109.66	-	18.40	-
f	Deposits (including consultancies)-annex-1	-	544.70	-	409.77
	Cash Balance				
	Cash in hand	2.10		6.60	
	Temporary Imprest	3.35		0.38	
	Bank Balance	171.04		16.23	
	Fixed Deposits	1,052.41		1,202.26	_
	FDR- Against Letter of Credit	30.35		1,202.20	
	Interest Accrued on FDR	-		26.45	
	Draft in transit	_		-	
	Total Cash	1,259.25		1,251.92	
	Total	2,158.40	2,178.90	1,808.93	1,831.46
	Total Plan and Non Plan		57.30	•	0.39
	i viai i iaii aiiu 11011 F Iaii	4,33	11.50	5,04	0.00

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH SCHEDULE OF DEPOSITS AS ON MARCH, 2013

Α	Consultancy Project	Opening Bal.	Receipt	Paid	Net Balance
1	5.5 Swot Analysis QIP Media	68,937.00	- 110001pt	68,937.00	- Trot Balanco
2	5.14 Civil Consultancy	4,087,286.00	7,754,876.00	11,075,692.00	766,470.00
4	5.5 Consultancy Media	68,938.00	7,734,070.00	68,938.00	700,470.00
5	IMCO Consultancy SPIC	189,799.00	-	00,930.00	189,799.00
6	Study Visit Consultancy	96,621.00	-	96,621.00	109,799.00
0	World Bank Project-	90,021.00	-	90,021.00	
7	Consultancy	30,000.00	-	30,000.00	_
8	1.3.3. Civil Consultancy	29,918.00		29,918.00	
9	Hindi SLIET	4,590.00	36,742.00	41,332.00	
10	IMCO Toss	.,,,,,,,,	262,500.00		262,500.00
	Total	4,576,089.00	8,054,118.00	11,411,438.00	1,218,769.00
	1 0 3 3 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,00 1,11010	, ,	.,,.
В	Other Deposit				
1	Alumni Association	64,500.00	40,500.00	64,500.00	40,500.00
2	Distribution Fund	737,099.83	1,821,805.00	1,129,748.00	1,429,156.83
3	Earnest Money	3,227,550.86	4,507,421.00	3,864,119.00	3,870,852.86
4	Examination Fee	542,241.00	160,250.00	684,591.00	17,900.00
5	Income Tax Firms	-	399,617.00	283,471.00	116,146.00
6	Misc Deposit Auditorium	294,671.00	569,200.00	863,871.00	-
7	Royalty to Authors	330,023.88	757,478.89	278,165.00	809,337.77
8	Service Tax 2.2.1		311,906.00	-	311,906.00
9	Service Tax 5.1		73,947.00	-	73,947.00
10	Service Tax 5.14	-	1,377,931.00	1,377,931.00	-
11	Staff Welfare Fund	182,089.00	555,736.00	499,579.00	238,246.00
	Total	5,378,175.57	10,575,791.89	9,045,975.00	6,907,992.46
С	Recovery and Deductions				
1	CTD	-	361,500.00	361,500.00	-
2	Farewell Faculty	-	8,180.00	8,180.00	-
3	GPF	-	19,468,417.00	19,468,417.00	-
4	Group Insurance	-	797,955.00	797,955.00	-
5	Income Tax Staff	-	9,756,525.00	9,305,788.00	450,737.00
6	LIC-NP	-	985,534.00	985,534.00	-
	New Pension Fund				
7	Subscription	-	2,534,227.00	2,534,227.00	-
8	Welfare Faculty C and D	-	122,650.00	122,650.00	-
	Total	-	34,034,988.00	33,584,251.00	450,737.00

ANNEXURE -1

D	Security of firms	Opening balance	Received	Paid	Balance
1	Library Security	-	5,000.00	-	5,000.00
2	Retention Money of Vijay Garg	95,875.00	-	-	95,875.00
3	Sec. of Anil Kumar	3,959.00	-	3,959.00	-
4	Sec. of Anil Malhotra	1,031.00	-	1,031.00	-
5	Sec. of BD Kataria	500.00	-	500.00	-
6	Sec. of Binder	2,000.00	-	-	2,000.00
7	Sec. of Canteen	5,000.00	-	5,000.00	-
8	Sec. of Daksh Detective	133,155.00	200,461.00	99,522.00	234,094.00
9	Sec. of Deepak Mittal	-	-	-	-
11	Sec. of Golden Eagle	41,432.00	-	-	41,432.00
12	Sec. of Gurdeep Singh	58,423.00	-	58,423.00	-
13	Sec. of Harbhajan Singh	505.00	-	505.00	-
14	Sec. of Hardeep Singh	18,429.00	-	18,429.00	-
15	Sec. of Harjeet Singh.	4,000.00	-	4,000.00	-
16	Sec. of Kanaj Nath	5,000.00	-	5,000.00	-
17	Sec. of Kanwar Enterprises	10,799.00	-	10,799.00	-
	Sec. of Krishan Kumar				
19	Washerman	2,000.00	-	-	2,000.00
20	Sec. of Krishna Stationers	4,700.00	-	-	4,700.00
21	Sec. of Mann Electric Works	10,000.00	-	-	10,000.00
22	Sec. of ME Students.	3,651,201.00	810,000.00	423,500.00	4,037,701.00
	Sec. of National Small				
23	Industries	15,472.00	-	-	15,472.00
24	Sec. of Ph.D Students.	197,066.00	-	-	197,066.00
25	Sec. of PK Electricals	-		<u>.</u>	-
26	Sec of Project associate	15,021.00	5,000.00	3,500.00	16,521.00
27	Sec. of Punj Security & House Keeping	25,482.00			25,482.00
21	Sec. of Sanchi Security	25,462.00	-		25,462.00
28	Company	3,383.00	_	_	3,383.00
29	Sec. of Sheltra Consultants.	731.00	-	731.00	-
30	Sec. of Satish Aggarwal	13,770.00	-	-	13,770.00
32	FDR Institute funds	-	-	-	-
32	Sec. of Vijai Garg	3,635,948.72	-	-	3,635,948.72
33	Sec. of Nand Kishore	7,270.00	-	-	7,270.00
34	Service Tax Examination Fee	3,926.00	-	-	3,926.00
35	Sec of Kamaldeep Verma	8,462.00	95,839.00	104,301.00	
36	Advanced Tech	-,	9,000.00	-	9,000.00
37	Kamal Kumar builder		19,682.00	_	19,682.00
38	Security Paving Stone Comp.		4,802.00	-	4,802.00
	Total	7,974,540.72	1,149,784.00	739,200.00	8,385,124.72
	ABSTRACT		, ,	,	, ,
1	Total - A	4,576,089.00	8,054,118.00	11,411,438.00	1,218,769.00
2	Total - B	5,378,175.57	10,575,791.89	9,045,975.00	6,907,992.46
3	Total - C	-	34,034,988.00	33,584,251.00	450,737.00
4	Total - D	7,974,540.72	1,149,784.00	739,200.00	8,385,124.72
	Total	17,928,805.29	53,814,681.89	54,780,864.00	16,962,623.18

Annexure -II

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, SECTOR-26, CHANDIGARH BALANCE SHEET GPF/CPF AS AT 31.3.2013

			(Rupees in lakh)
GPF as per ledger	940.49	FDRs	1,150.27
CPF as per ledger	145.66	Saving Bank Account	57.99
		Ü	
Institute contributions- CPF	103.23	Sundry Debtors	1.07
Dead Account	0.06	Interest accrued on	56.06
		FDR up to 31.3.2013	
Excess of Interest	75.95		
Total	1,265.39	Total	1,265.39

-

Sd/-Accounts Officer NITTTR, Chandigarh.

CASH BOOK ACCOUNT GPF/CPF AS AT 31.3.2013

	1,057.55
192.16	
2.02	
1.55	195.73

(Rupees in lakh)

175.06

Add : Interest on S/B A/C & FDR	130.04
---------------------------------	--------

 Less withdrawals :
 157.64

 GPF
 157.64

 CPF
 8.71

 Institute share
 8.71

Opening Balance as on 1.4.2012 Subscription during the year

GPF as per ledger

CPF as per ledger

Institute Contribution

Total 1,208.26

Sd/Accounts Officer Director,

NITTTR, Chandigarh. NITTTR, Chandigarh

INTEREST ACCOUNT - GPF/CPF AS AT 31.3.2013

	(Rupees in lakh)
Opening Balance	92.45
Interest allowed by Bank during the year Interest accrued during the year	130.04 56.06
Add : Interest accrued on Advance	0.06
Less Interest allowed to the subscriber during the year GPF	-75.05
Less Interest Arrears to the subscriber during the year GPF	-1.53
Less Interest allowed to the subscriber during the year CPF Less Interest allowed to the subscriber during the year CPF Institut	-11.67 e
Share	-8.22
Less interest accrued on FDR. during previous year	-106.19
TOTAL	75.95

Sd/Accounts Officer
NITTTR, Chandigarh
Sd/Director
NITTTR, Chandigarh

Details of employees / employer's share under CPF for the year ended 31.3.2013

	CPF						Employer Share				
A/c No.	Name	ОВ	Contb	Int	Advances	Total	ОВ	Share	Int	W/d	Total
310	OS Khanna	140,210.00	100,000.00	16,606.00	-	256,816.00	1,261,193.00	76,600.00	110,984.98	-	1,448,777.98
338	RK Goyal	598,085.00	-	52,631.48	-	650,716.48	268,186.00	-	23,600.37	-	291,786.37
339	KS Rana	-	-	-	-	-	183,747.00		16,169.74	-	199,916.74
348	Suresh Gupta	1,326,675.00	-	116,747.40	-	1,443,422.40	440,302.00		38,746.58	-	479,048.58
409	KM Rastogi	871,403.00	-	-	871,403.00	-	871,403.00		-	871,403.00	-
414	S Chatterji	1,502,598.00	-	132,228.62	-	1,634,826.62	828,828.00		72,936.86	-	901,764.86
415	J S Saini	373,402.00	-	32,859.38	-	406,261.38	813,669.00		71,602.87	-	885,271.87
417	SP Bedi	578,009.00	-	50,864.79	-	628,873.79	661,432.00		58,206.02	-	719,638.02
422	A K Duggal	1,024,430.00	-	90,149.84	-	1,114,579.84	635,071.00		55,886.25	-	690,957.25
423	Manmohan	144,014.00	-	12,673.23	-	156,687.23	487,083.00		42,863.30	-	529,946.30
432	PK Tulsi	1,745,848.00	-	153,634.62	-	1,899,482.62	673,178.00		59,239.66	-	732,417.66
434	BS Pabla	1,134,857.00	-	99,867.42	-	1,234,724.42	654,407.00		57,587.82	-	711,994.82
435	AB Gupta	1,924,511.00	102,000.00	174,219.00	-	2,200,730.00	953,542.00	78,060.00	83,911.70	-	1,115,513.70
439	SC Sharma	-				-			-		-
440	Surinder Singh	795,805.00	-	70,030.84	-	865,835.84	220,072.00	-	19,366.34	-	239,438.34
441	DD Sharma	382,093.00	-	33,624.18	-	415,717.18	652,853.00	-	57,451.06	-	710,304.06
442	Lini Mathew	1,201,057.00	-	105,693.02	-	1,306,750.02	324,303.00	-	28,538.66	-	352,841.66
443	AS Juneja	8,990.00	-	-	-	8,990.00	-	-	-	-	-
446	Bakshish Singh	284,199.00	-	25,009.51	-	309,208.51	287,700.00	-	25,317.60	-	313,017.60
447	Navin Sharma	8,932.00	-	-	-	8,932.00	-	-	-	-	-
448	Rajiv Kapoor	23,885.00	-	-	-	23,885.00	-	-	-	-	-
		14,069,003.00	202,000.00	1,166,839.34	871,403.00	14,566,439.34	10,216,969.00	154,660.00	822,409.81	871,403.00	10,322,635.81
408	N Rajamony	(34,382.00)	-	-	-	(34,382.00)	-	-	-	-	-
339	KS Rana	(66,315.00)	<u>-</u> _	(5836)	<u>-</u> _	(72,150.72)					
		(100,697.00)	-	(5,835.72)	-	(106,532.72)	-	=	=	-	=

Annexure- III

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH,

CHANDIGARH

BALANCE SHEET- NEW PENSION SCHEME AS AT 31.3.2013

NPS as per ledger - Saving Bank Account 1.06 Excess of Interest 2.96 Amt. Recoverable from Bank Interest Recoverable from bank 0.02	Total	2.96	Total	2.96
NPS as per ledger - Saving Bank Account 1.06				0.02
	Excess of Interest	2.96		1.88
(Rupees in lak	NPS as per ledger	-	Saving Bank Account	1.06
LIABILITIES ASSETS				(Rupees in lakh)

Sd/- Sd/Accounts Officer Director
NITTTR, Chandigarh NITTTR, Chandigarh

CASH BOOK ACCOUNT NPS AS AT 31.3.2013

(Rupees in lakh) Opening Balance as on 1.4.2012 13.83 Subscription during the year **Employee Share** 25.34 Institute Contribution 25.34 50.68 Transfer from main A/c 8.09 Add: Amt. recovered from Institute as employer's share 0.29 Add: Interest Allowed by Bank 1.26 Less: Share - Remitted 71.09 Service Charges 0.12 Amt. Recoverable from NSDL 1.88

Total

Sd/- Sd/Accounts Officer Director
NITTTR, Chandigarh NITTTR, Chandigarh

1.06

INTEREST ACCOUNT - NPS AS AT 31.3.2013

(Rupees in lakh)

TOTAL	2.96
Account	8.09
Add : Amount recovered from Main	-0.12
Less : Service Charges	-0.12
Add : Amount of Interest allowed during previous year reversed	11.77
Less: Interest accrued during the previous year	-0.47
Interest allowed by Bank during the year	1.28
Opening Balance	-17.59

Sd/-Sd/-Accounts Officer Director NITTTR, Chandigarh NITTTR, Chandigarh

	New Pension Scheme for the year ended 31.3.2013											
							_					
			Employee Sha					mployer Share			L	
S. no.	Name	ОВ	Contb	W/d Intt.	Witdhrawal	Total	ОВ	Share	W/d Intt.	Witdhrawal	Total	Closing
					Trf to CRA					Trf to CRA		Balance
1	S S Pattniak	89120.50	132378.00	38,798.00	182,700.50	-	89120.50	132,378.00	38,798.00	182700.50	-	-
2	S S Dhami	54822.50	109271.00	29,323.50	134,770.00	-	54822.50	109,271.00	29,323.50	134770.00	-	
3	P S Rao	28497.00	59837.00	14,536.00	73,798.00	-	28497.00	59,837.00	14,536.00	73798.00	-	-
4	Swapna Devi	51108.50	109271.00	25,732.00	134,647.50	-	51108.50	109,271.00	25,732.00	134647.50	-	-
5	Ritula Thakur	24272.50	53957.00	11,657.00	66,572.50	-	24272.50	53,957.00	11,657.00	66572.50	-	-
6	Amit Goyal	24214.50	53957.00	11,600.00	66,571.50	-	24214.50	53,957.00	11,600.00	66571.50	-	-
7	Gaima Saini	23251.00	53177.00	10,831.50	65,596.50	-	23251.00	53,177.00	10,831.50	65596.50	-	-
8	Deepak Parsad	6478.00	17013.00	2,509.00	20,982.00	-	6478.00	17,013.00	2,509.00	20982.00	-	-
9	Pardeep Kumar	69701.50	54614.00	3,152.50	121,163.00	-	69701.50	54,614.00	3,152.50	121163.00	-	-
10	Tejwant Singh	33023.00	17176.00	1,563.00	48,636.00	-	33023.00	17,176.00	1,563.00	48636.00	-	-
11	Jagan Nath	34081.50	17176.00	1,639.50	49,618.00	-	34081.50	17,176.00	1,639.50	49618.00	-	-
12	Amrendersharan	55831.50	45235.00	701.50	100,365.00	-	55831.50	45,235.00	701.50	100365.00	-	-
13	Shimi S L	10459.00	45174.00	220.00	55,413.00	-	10459.00	45,174.00	220.00	55413.00	-	-
14	Mala Kalra	10459.00	45174.00	220.00	55,413.00	-	10459.00	45,174.00	220.00	55413.00	-	-
15	Himmi Gupta	10459.00	45174.00	220.00	55,413.00	-	10459.00	45,174.00	220.00	55413.00	-	-
16	Poonam Saini	10459.00	45174.00	220.00	55,413.00	-	10459.00	45,174.00	220.00	55413.00	-	-
17	Kanika Sharma	303184.50	56056.00	20,136.00	339,104.50	-	303184.50	56,056.00	20,136.00	339104.50	-	-
18	Amar Dev	0.00	22139.00	-	22,139.00	-	0.00	22,139.00	-	22139.00	-	-
19	PK Tulsi	64405.50	153815.00	32,515.50	185,705.00	-	64405.50	153,815.00	32,515.50	185705.00	-	-
20	Suresh Gupta	51272.00	112797.00	25,008.00	139,061.00	-	51272.00	112,797.00	25,008.00	139061.00	-	-
21	KM Rastogi	52111.00	1406.00	52,111.00	1,406.00	-	52111.00	1,406.00	52,111.00	1406.00	-	-
22	S Chatterjee	65032.00	140033.00	32,356.00	172,709.00	-	65032.00	140,033.00	32,356.00	172709.00	-	-
23	J S Saini	66032.00	140033.00	33,355.50	172,709.50	-	66032.00	140,033.00	33,355.50	172709.50	-	-
24	DD Sharma	69623.00	140033.00	36,946.50	172,709.50	-	69623.00	140,033.00	36,946.50	172709.50	-	-
25	SP Bedi	64290.50	136663.00	32,401.00	168,552.50	-	64290.50	136,663.00	32,401.00	168552.50	-	-
26	A K Duggal	63979.00	130877.00	33,440.50	161,415.50	-	63979.00	130,877.00	33,440.50	161415.50	-	-
27	Lini Mathew	50459.00	112562.00	24,194.00	138,827.00	-	50459.00	112,562.00	24,194.00	138827.00	-	-
28	Bakshish Chand	47552.00	106081.00	22,800.00	130,833.00	-	47552.00	106,081.00	22,800.00	130833.00	-	-
29	Man Mohan Singh	47128.00	102981.00	23,099.00	127,010.00	-	47128.00	102,981.00	23,099.00	127010.00	-	-
30	RK Goyal	25809.50	51079.00	14,023.50	62,865.00	-	25809.50	51,079.00	14,023.50	62865.00	-	-
31	Surinder Singh	19666.50	38993.00	10,663.50	47,996.00	-	19666.50	38,993.00	10,663.50	47996.00	-	-
32	KS Rana	16133.00	31106.00	8,876.50	38,362.50	-	16133.00	31,106.00	8,876.50	38362.50	-	-
33	BS Pabla	65421.00	153815.00	33,525.50	185,710.50	-	65421.00	153,815.00	33,525.50	185710.50	-	-
	Total	1,608,336.50	2534227.00	588,375.50	3,554,188.00	-	1,608,336.50	2,534,227.00	588,375.50	3,554,188.00	-	

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH CHANDIGARH

BALANCE SHEET FOR THE PROJECTS SPONSORED BY THE GOVERNMENT OF INDIA- MHRD, NEW DELHI AS AT 31.3.2013

PARTICULARS	CURRENT		PREVIOUS		
	YEAR	DUDEEC	INI	YEAR	
LIABILITIES		RUPEES	IN	LAKH	
Capital/Corpus Fund	60.6			69.41	
Less excess of expenditure over income	-8.21			-8.81	
Less : Prior Period Salary Expenditure	0.08			-	
Add : Prior Period Intt. Accrued	0.48			-	
Less : Prior Period FDR excess Shown	-0.63			-	
Current Liabilities & Provisions					
Salary Payable	0.06			-	
TOTAL LIABILITIES	52.22			60.60	
ASSETS					
Fixed Assets	38.60			45.39	
Cash & Bank Balance	1.32			0.61	
FDR's	11.53			14.60	
Interest accrued on FDR	0.77				
TOTAL ASSETS	52.22			60.60	

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH SECTOR - 26, CHANDIGARH

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.3.2013 FOR THE PROJECTS SPONSORED BY THE MHRD, GOVT OF INDIA.

INCOME	CURRENT	PREVIOUS		
	YEAR	YEAR		
	(RUPEES	IN	LAKH)	
Grant/subsidies				
From Government of India	-		-	
Interest receipts	1.26		1.15	
Total	1.26		1.15	
EXPENDITURE				
	4.50		0.04	
Establishment Expenses	1.50		0.84	
Contingencies /Consumables	0.60		0.36	
T.A.	0.49		0.72	
Honorarium	0.09		0.06	
Depreciation	6.79		7.98	
Total	9.47		9.96	
Balance being deficit carried over	-8.21		-8.81	

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH CHANDIGARH

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.3.2013 FOR THE PROJECTS SPONSORED BY GOVT. OF INDIA, MHRD.

RECEIPTS	CURRENT YEAR	PREVIOUS YEAR
		RUPEES IN LAKH
Opening Polones	14.59	15.42
Opening Balance		15.42
Less : Prior period Interest Accrued	(0.45)	-
Interest receipt	1.41	1.15
Total Receipts	15.55	16.57
PAYMENTS		
Equipments	-	-
Recurring Expenses		
Establishment expenses	1.52	0.84
Contingencies/Consumables	0.60	0.36
T.A.	0.49	0.72
Honorarium	0.09	0.06
Total	2.70	1.98
Cash & Bank Balance :-	-	-
Deposits (including interest accrued)	11.53	13.98
Bank Balance	1.32	0.61
Total payments	15.55	16.57

Sd/-Accounts Officer NITTTR, Chandigarh

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH FIXED ASSETS UNDER GOI PROJECTS AS AT 31.3.2013

FIXED ASSETS- NET BLOCK AS PER SCHEDULE -4-A

	(RUPEES IN									L	_AKH)		
				GROSS BLOCK						DEPRECIATION			
	PARTICULARS	Rate %	Cost/evaluation as at beginning of the year	Additions before 30.9.2012	Additions after 30.9.2012	Deductions during the year	cost/value at the year end	As at the beginning of the year	On Additions of the year	Total at the year end	As at the current year end	As at the previous year end	
	Fixed Assets												
i	Equipments	15	164.49	-	-	-	164.49	119.52	6.75	126.27	38.22	44.97	
ii	Furniture	10	0.99	-	-	-	0.99	0.58	0.04	0.62	0.37	0.41	
iii	Books	100	0.21	-	-	-	0.21	0.21	-	0.21	-	-	
	Gifted equipment	15	0.07	-	-	-	0.07	0.07	-	0.07	-	-	
	Grand Total		165.76	-	-	-	165.76	120.38	6.79	127.17	38.60	45.39	

Sd/-Accounts Officer NITTTR, Chandigarh

ACCOUNTING POLICIES

The Accounts have been maintained in the format as prescribed by the Government of India, Ministry of Human Resource Development, vide their letter No. F-1-1/2002- TS-IV dated 15th March, 2002, issued by the Joint Secretary & Financial Adviser vide his DO No. 1703/JS (HRD)/2/2002 dated 18th February, 2002.

- 2. The Accounts have been prepared on accrual basis.
- 3. Depreciation on fixed Assets has been provided on written down value method on the rates specified in the Income Tax Act. Rules, 1962.
- 4. The Fixed Assets have been valued as per book value.
- 5. The Institute receives grants-in-aid from Government of India under Plan(General)-Recurring, Plan-(Non-Recurring)-Creation of Capital Assets and Non-Plan (Recurring)schemes to meet the expenditure on salaries of employees. pension to retirees, travelling expenses for training of technical teachers, purchase of store/equipments and maintenance, etc. against Institute's annual budget approved by the Board of Governors. The funds, if remained unutilized at the end of the financial year, are carried over to the following financial year with the approval of the Government of India.
- (ii) For specific projects, unspent balance/funds, if any, are refunded to the concerned sponsoring agencies/departments after the completion of the respective Project.
- 6. Institute receives funds against Sponsored Projects and Consultancy Project which are shown as deposits in Schedule 3. The Institute recognize its income on completion of project/consultancy.
- 7. The Board of Governors delegated powers jointly to the Director and the Accounts Officer of the Institute to approve and sign the Annual Accounts of the Institute before submission to Audit Officer vide Item No. B.4.4.8 in their meeting held on 27.1.2006.

Sd/-Accounts Officer NITTTR, Sector 26, Chandigarh NITTTR, Sector 26, Chandigarh

Sd/-Director,

NOTES ON ACCOUNTS

This is a non-commercial organization and Income Tax is not applicable as in the case of Universities or other Educational Institutions existing solely for education purpose and not for the purpose of profit and which are wholly or substantially financed by the Government under Section 10(23C)(iiiab).

- 2. The Goods including equipments, furniture etc. valuing Rs. 48.91 lakh were identified as obsolete/ unserviceable during the year 2010-11. Process for disposal and the sale proceeds shall be reported shortly. The Goods including equipments, furniture etc. valuing Rs. 106.15 lakh are identified as obsolete/unserviceable during the physical verification as at 31.3.2012.
- 3. The construction work relating to Administrative Block and the Hostel Block was allotted to Shri Vijay Kumar Garg & Company. Due to certain irregularities on the part of the contractor, the contract was terminated. The contractor filed a claim amounting to Rs. 90.71 lakh and the Institute also filed counter claim. The award of the Arbitration case has been announced after a gap of 08 years after completion of hearing. The Institute moved to court challenging the merit of the award through Institute Counsel. The effect will be given in the Accounts after the decision is announced by the Court.
- (ii) An amount of Rs. 36.35 lakh (including interest earned from time to time) towards security from the contractor has been withheld.
- 4. Balance Sheet for the Project sponsored by Government of India, MHRD has been drawn separately and attached to the main Balance sheet of the Institute.
- 5. Balance Sheets for GPF/CPF and New Pension Scheme are prepared separately and attached as annexure –II & III.
- 6. TDS deducted by the various firms as confirmed on website amounting to Rs. 2.31 lakh has been given effect in the Balance Sheet.
- 7. This is to certify that there is an unspent balance of Rs. 1289.57 lakh (Rs. 1275.95 including FDRs worth Rs. 1052.41 lakh and accrued interest of Rs. 16.70 lakh under main account and Rs. 13.62 lakh under GOI Projects as on 31.3.2013.
- 8. Equipment worth Rs. 7.82 lakh purchased during 2011-12 was rejected during 2012-13 due to non-qualitative performance during its use. Therefore, cost of equipment along with its depreciation charged during 2011-12 has been adjusted accordingly.
- 9. Institute is in possession of land measuring 18.863 acres out of which 15.883 acres is held as free hold.
- 10. The Security towards ME students of Rs. 40.38 lacs is outstanding as on 31st March 2013.
- 11. Schedule one to fourteen are annexed to and form an integral part of the Balance Sheet as on 31.3.2013.

12. Detail of Capital Work in Progress including capital advance of Rs. 297.28 lakh is as follows:

Purpose of Advance	Year of Advance	Amount (Rupees in lakh)		
ETV, Media & computer Science Building	2002-03	0.69		
Construction of Hostel Block	2007-08	29.89		
Capital Work in Progress with Chd Admin New Lab	2010-11	57.20		
Capital Advance for building-work in progress- OBC	2010-11	63.11		
Advance for building-work in progress - OBC-OSC	2010-11	107.61		
Advance for Renovation of Building	2012-13	38.78		
Total		297.28		

13. Amortization of lease premium on the basis of period of lease has been charged under rules.

Building Account

- 1. An advance of Rs. 10.69 lakh out of the advance amount deposited with Chandigarh Administration for construction of Staff Quarters is awaiting adjustment in Institute Accounts. The work has since been completed and buildings handed over to the Institute. The certificate for having received the final payment from this Institute has been obtained from the Sub Divisional Engineer, W/s Sub Div. -3 Chandigarh. However, accounts in support of this expenditure are awaited from the concerned quarter.
- PUDA has filed a civil suit for recovery of Rs. 85.00 lakh against the Institute. No
 provision as liability has been made in the Accounts as it is a contingent liability and
 provision shall be made as per award/decree to be decided by the Arbitrator.
 However, the Institute has also filed a counter claim worth Rs. 17.00 lakh against
 PUDA.

The hearing in this case was scheduled on 25.5.2013. However, the date has been postponed to July 12, 2013 as informed by the Lawyer. Decision is awaited.

Sd/-Accounts Officer NITTTR, Chandigarh



National Institute of Technical Teachers Training and Research

(An ISO 9001: 2008 Certified Institute)

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