



ANNUAL REPORT 2013 - 2014



Pathfinder for Excellence in Technical Education

National Institute of Technical Teachers' Training & Research, Kolkata



Additional Information

Dr. Phalguni Gupta



Dr. Phalguni Gupta, Professor of Indian Institute of Technology (IIT) Kanpur, joined the Institute as Director on 25.04.2014. He received Doctoral degree from IIT, Kharagpur in 1986 and started his carrier by joining in Space Applications Centre (ISRO) Ahmedabad, as a Scientist. In 1987, he joined the Department of Computer Science and Engineering, IIT, Kanpur. His areas of interest are Parallel Algorithms, Large System Solver, Image Processing and Biometrics. He has published about 300 papers in International Journals and International Conferences. He is also an author of 2 books. He has dealt with several sponsored and consultancy projects, funded by the Government of India. Various awards he has achieved are: (1) Asia Outstanding Contribution Award by ACM-ICPC in 2010, (2) Skotch "World is Open" Award for the Multimodal Biometric System of IIT Kanpur in 2008 (3) IBM Faculty Award in 2007, and (4) Gold Medal and Professor V D Tawani Award in 1977.

Dr. Sekhar Chakraborty



Dr. Sekhar Chakraborty, Professor & Head of Educational Planning & Management (EdPM) Department, served as the Director-in-Charge of this Institute from 30.12.2013 to 24.04.2014 as the senior most faculty of NITTTR, Kolkata. He joined this Institute in 1996. Besides serving in the Industries at the beginning of his career, he served as Deputy Director of Technical Education, Govt. of West Bengal before joining this Institute. Dr. Chakraborty received his Ph.D (Engg.) degree from Jadavpur University in 2004. He works in the field of Chemical Engineering and Environmental Sciences. His other interest encompasses areas such as Institutional Quality Management, TQM in Educational Institutions, HRD Training, use of Media in Teaching-Learning, Entrepreneurship development, Presentation skills etc. His additional field of interest covers Photography and Educational Video Film making. Dr. Chakraborty has quite a few International & National publications to his credit

Prof. Sanjay Kumar Bhattacharyya



Prof. Sanjay Kumar Bhattacharyya completed his term as Director of the Institute in NITTTR, Kolkata on 29.12.2013. Previously he was Professor in Indian Institute of Social Welfare & Business Management (IISWBM), Kolkata. During his tenure, lots of development works were made like, Integrated Computer Centre (ICC), Welding Centre, CAD CAM center, new Board Rooms and modernization of a part of Executive hostel. Apart from his administrative work as the Director of the Institute, he took pleasure in taking M.Tech. classes on the subject of Management studies.

Contents

	Page No.
Foreword	i
About NITTTR, Kolkata	1
Vision 2020, Mission 2020	2
Objectives of the Institute	3
List of Members	4
Society of NITTTR, Kolkata	4
Board of Governors (BOG) of NITTTR, Kolkata	5
Finance Committee (FC) of NITTTR, Kolkata	6
Building & Works Committee (B & WC) of NITTTR, Kolkata	6
Academic Council (AC) of NITTTR, Kolkata	7
Dates of Meetings of AC, B & WC, FC, BOG, and AGM	8
Management	8
Target and Achievement	9
Short-Term Training & E-Learning (ICT Mode) Programmes	9
M. Tech. Programmes	12
Educational Video Films for Gyandarshan Channel	13
Seminars / Conferences / Workshops	13
List of Faculty	14
List of Officers	16
List of M.Tech. Students	17
Publications	19
Book Published	20
M.Tech. Thesis	21
Invited Talk / Ph.D Supervision	24
Miscellaneous Activities	24
Infrastructure Development	25
Equipment	25
Hostel	25
SC/ST/OBC/PWD Filling Position / Matter of Litigation / Raj Bhasha Hindi Diwas / Right to Information Act /Sports Meet/ Laying of Annual Report/ Audited Accounts on the Table of both the Houses of Parliament	26
Events	28
Photo Gallery	30
Highlights of Achievements (Annexure I – V)	33

MAIN ACCOUNT	...	39-65
Balance Sheet		
Income & Expenditure Account		
Schedule – 1 : Corpus/Capital Fund		
Schedule – 2: Reserves and Surplus		
Schedule – 3: Earmarked / Endowment Funds		
Schedule – 4: Secured Loans and Borrowings		
Schedule – 5: Unsecured Loans and Borrowings		
Schedule – 6: Deferred Credit Liabilities		
Schedule – 7: Current Liabilities and Provisions		
Schedule – 7A : Other Current Liabilities		
Schedule – 8: Fixed Assets		
Schedule – 9: Investments From Earmarked/Endowment Funds		
Schedule – 10: Investments		
Schedule – 11: Current Assets, Loans, Advances, etc.		
Schedule – 12: Income from Sales/Services		
Schedule – 13: Gants/Subsidies		
Schedule – 14: Fees/Subscriptions		
Schedule – 15: Income from Investments		
Schedule – 16: Income from Royalty, Publication etc.		
Schedule – 17: Interest Earned	...	
Schedule – 18: Other Income	
Schedule – 19: Increase/Decrease in Stock of Finished Goods & Work in Progress		
Schedule – 20: Establishment Expenses		
Schedule – 21: Other Administrative Expenses etc.		
Schedule – 22: Expenditure on Grants, Subsidies etc.		
Schedule – 23: Interest		
Receipts & Payments Account		
Receipts & Payments Account, Guwahati Extension Centre		
Receipts & Payments Account, Bhubaneswar Extension Centre		
Balance Sheet, North Eastern Region		
Income & Expenditure Account, North Eastern Region		
Receipts & Payments Account, North Eastern Region		
OBC EXPANSION ACCOUNT	...	66-68
Balance Sheet		
Income & Expenditure Account		
Schedules Forming Part of Balance Sheet		
Receipt & Payment Account		
EMPLOYEES PROVIDENT FUND ACCOUNT	...	69-72
Balance Sheet		
Income & Expenditure Account		
Schedules Forming Part of Balance Sheet		
Receipt & Payment Account		
NEW PENSION SCHEME ACCOUNT	...	73-75
Balance Sheet		
Income & Expenditure Account		
Receipt & Payment Account		
PROJECT ACCOUNT	...	76-86
DST Research Project (Science)		
PDMTVE		
Photonics (I)		
DST Research Project (Civil)		
MOD/MECH – II		
Photonics – II		
Computer Laboratory		
ACCOUNTING PRINCIPLES	...	87-90
AUDIT REPORT	...	91-98

Foreword



I feel pleased in submitting the annual report of NITTTR Kolkata for the financial year 2013-14 for kind perusal and consideration of the honourable stakeholders of our Institute. The report contains *inter alia* the financial statements cast in formats approved by the Ministry of HRD, Govt. of India.

Like in the past we have also classified the various activities of the Institute into five broad heads for external reporting:

- (I) Education & Training
- (II) Curriculum Development
- (III) Learning Resources Development
- (IV) Research & Development and
- (V) Extension Services & Consultancy

Education & Training

One of the *raison-de-tre* of the Institute is to improve the technical education system for the country in general and Eastern and North Eastern States in particular. In order to fulfil the above objectives, since its inception, the Institute conducts Short Term Training Programmes (STTP) for sensitizing largely the polytechnic faculty in cutting edge technologies. It conducted short term training programs in 111 courses in technical and managerial subjects during the period under reference. These programmes were attended by 1651 participants against the target of 2000 participants engaged in teaching and other academic activities in various polytechnic and engineering colleges across the country.

As a part of National Mission on Education through Information and Communication Technology, the Institute prepared the contents and broadcast 10 STTPs in ICT mode in the financial year under reference.

The Institute has also been conducting four full time M Tech courses in Manufacturing Technology, Mechatronics Engineering, Multimedia and Software Systems and Structural Engineering respectively. Sixty numbers of students successfully completed the M.Tech. programmes during the year under review.

Curriculum Development

The Curriculum Development Centre of the Institute prepared curricula for three new diploma courses in engineering and revised curricula for eight polytechnic courses for the state of Arunachal Pradesh.

Learning Resources Development

The Learning Resources Centre of the Institute has decided to produce from now and onwards theme based instead of topic-wise video films for the nationwide broadcast by the Gyan Dashan Channel of Doordarshan. As a part of the decision, it has produced during the year under review 20 video films

Research & Development

Total number of faculty in the Institute is only 24. In spite of this small faculty group who are engaged not only in teaching but also in various administrative activities, the total number technical papers published in international and national journals, conferences, seminars and workshop proceedings is 27.

Extension Services & Consultancy

The Institute being a nodal agency for monitoring and implementation of the scheme Community Development through Polytechnic (CDTP) and as also the scheme Integrating Persons with Disabilities (PWD) in the mainstream of Technical and Vocational Education Scheme successfully discharged its duties.

Although, the above accomplishments are not spectacular by themselves, they should not also be considered as insignificant either in the light of the constraints such as inadequate faculty and staff and not so favourable work culture in this region of the country.

(Dr. Phalguni Gupta)
Director

About NITTTR, Kolkata

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata was established in 1965 as Technical Teachers' Training Institute (TTTI), Calcutta at the premises of Jnan Chandra Ghosh Polytechnic, Calcutta. This was the first of four such regional Institutes (other three being at Chandigarh, Bhopal and Chennai) established by the Department of Education, Govt. of India as fully centrally funded Autonomous Institution. Since 1980, the Institute is located at Salt Lake City. The primary focus of the Institute is to provide in-service training to the teachers and staff of Degree and Diploma level technical institutions and conduct activities related to the quality improvement of the technical education system of the country. NITTTR, Kolkata has been actively involved in improvement of quality of the technical education system in various states including those in the north-east through innovative academic interventions, providing assistance to policy makers at the national and state levels, in formulation of educational plans, projects and their implementation in the fast changing scenario. The Institute has also established two extension centres at Guwahati (in 1999) and at Bhubaneswar (in 2000) for reaching out to its clients in North-Eastern states and Odisha respectively. By virtue of working closely over the last few decades, this institute has developed a thorough understanding of the technical educational needs of the states in the eastern region including those in the North-east. In recognition of its contribution towards development of excellence in the technical education system, Government of India, in October 2003, accorded National status to the Institute along with its 3 sister institutes located at Chandigarh, Bhopal & Chennai and renamed them as National Institute of Technical Teachers' Training & Research.

Some of the notable national level projects in which the Institute is associated are Nodal agency to Centrally Sponsored Community Development through Polytechnic Scheme, Designing & conducting AICTE sponsored "Induction Training Programme" for fresh teachers of engineering and polytechnic colleges, facilitating implementation of Centrally sponsored Scheme for Integrating Persons with Disabilities (PWD) in the Mainstream of Technical & Vocational Education etc.

The focal activities of the Institute are Short Term Training, Curriculum Development, Learning Resources Development, Research in the field of Technical Education System, Educational Management and Extension Services. Besides regular activities, the Institute has been offering, since 2003, AICTE approved M. Tech. Degree Programme in 'Manufacturing Technology', affiliated to WBUT. During 2005-2006 two more M. Tech. Programmes namely 'Multimedia & Software Systems' and 'Mechatronics' Engineering were started. The M. Tech. Programme in 'Structural Engineering' is also started from 2011-2012. The Institute has highly qualified faculty members and excellent infrastructural support in the form of well equipped laboratories, Integrated Computer Centres (ICC), library facilities, Welding Centre, CAD/CAM and other resources. At present this Institution is focusing among others, Technical Teachers' Training through ICT Mode.

VISION 2020

NITTTR, Kolkata envisions to be the lead resource institute for promoting excellence in technical education, management education and vocational education & training system

MISSION 2020

- To introduce emerging scientific technologies for development of effective teaching-learning system in technical education
- To increase the outreach of training by adopting flexible & open learning technology
- To integrate the World of Work with the Technical Education System
- To assist policy makers as a think tank in formulating TVET strategies
- To offer extension services and consultancy appropriate to TVET system, in collaboration with industry and community partnership
- To develop and introduce Quality Management System
- To share experience and collaborate with national and international agencies involved in technical education for mutual benefits
- To undertake research in different areas of TVET system.

OBJECTIVES OF THE INSTITUTE

- i) To act as a centre for offering quality training programmes for teachers as per need of the client system, covering the entire gamut of technical, vocational and management education, at regional as also at national levels.
- ii) To arrange for practical training of technical teachers in industries on a cooperative education plan
- iii) To undertake systematic research to provide research inputs for development of technical education systems and their management
- iv) To undertake action research for development of innovative methods, processes and practices for improvement of teaching-learning environment in technical and vocational education.
- v) To design new instructional system and strategies for production of multimedia learning materials
- vi) To develop and disseminate learning resources like Textbooks, Laboratory Manuals, Video Programmes, Computer Assisted Instructional Multimedia packages to technical and vocational institutions and other organisations.
- vii) To offer programmes for technical and vocational teachers in distance learning mode using state-of-the-art technologies.
- viii) To offer courses / programmes for technical and vocational teachers to suit overseas demand specially SAARC & ASEAN countries.
- ix) To collaborate with Community and Industry in organizing Continuing and Non-formal education programmes and providing extension and consultancy services.
- x) To undertake Consultancy and Extension work for industry, technical institutions / organization
- xi) 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
- xii) To cooperate with educational or other institutions in any part of the world having objects wholly or partially similar to those of the institute by exchange of teachers and scholars and generally in such manner as may be conducive to their common objects.

LIST OF MEMBERS OF SOCIETY (2013 - 2014)

Sl. No.	Name & Address	Designation
1	Shri Arun Kumar Saha Joint Managing Director, IL&FS The IL&FS Financial Centre Plot C22, G Block Bandra Kurla Complex Bandra East, Mumbai – 400 051	Chairman
2	The Additional Secretary to the Government of India Ministry of HRD, (Dept. of Higher Education), Govt. of India Shastri Bhawan, New Delhi – 110 115	Member
3	The Financial Adviser (HRD) IFD, Ministry of Human Resource Development Government of India, Shastri Bhavan, New Delhi –110 115	Member
4	Director of Technical Education, Govt. of West Bengal Bikas Bhawan (10 th floor), Sector – III, Salt Lake City Kolkata – 700 091	Member
5	Director Department of Science & Technology, Govt. of Jharkhand Nepal House, Doranda, PO. Hinoo Ranchi – 834 002	Member
6	Director Department of Technical Education, Govt. of Uttar Pradesh Vikash Nagar, Kanpur – 208 024	Member
7	Director Department of Technical Education, Govt. of Maharashtra 3, Mahapalika Mall Post Box No. 1967 Mumbai – 400 001	Member
8	Director Directorate of Technical Education Directorate of Higher Education, Govt. of Assam Kahalipara, Guwahati – 781 019	Member
9	Regional Officer AICTE-Eastern Regional Office (ERO) College of Leather Technology Campus LB Block, Salt Lake City, Kolkata – 700 091	Member
10	Vice Chancellor West Bengal University of Technology BF-142, Salt Lake City, Kolkata –700064	Member
11.	Director / Director-in-Charge NITTTR, Kolkata-700106	Member Secretary

LIST OF MEMBERS OF BOARD OF GOVERNORS (2013 - 2014)

Sl. No	Name & Address	Designation
1	Shri Arun Kumar Saha Joint Managing Director, IL&FS The IL&FS Financial Centre Plot C22, G Block, Bandra Kurla Complex Bandra East, Mumbai – 400 051	Chairman
2	The Additional Secretary to the Government of India Ministry of HRD, (Dept. of Higher Education), Govt. of India Shastri Bhawan, New Delhi – 110 115	Member
3	The Financial Adviser (HRD) IFD, Ministry of Human Resource Development Government of India, Shastri Bhawan, New Delhi –110 115	Member
4	Director of Technical Education, Govt. of West Bengal Bikas Bhawan (10 th floor), Sector – III, Salt Lake City Kolkata – 700 091 (West Bengal)	Member
5	Director Department of Science & Technology, Govt. of Jharkhand Nepal House, Doranda, PO. Hinoo, Ranchi – 834 002	Member
6	Director Department of Technical Education, Govt. of Uttar Pradesh Vikash Nagar, Kanpur – 208 024	Member
7	Director Department of Technical Education, Govt. of Maharashtra 3, Mahapalika Mall, Post Box No. 1967, Mumbai – 400 001	Member
8	Director Directorate of Technical Education Directorate of Higher Education, Govt. of Assam Kahalipara, Guwahati – 781 019	Member
9	Regional Officer AICTE-Eastern Regional Office (ERO) College of Leather Technology Campus LB Block, Salt Lake City, Kolkata – 700 091	Member
10	Vice Chancellor West Bengal University of Technology BF-142, Salt Lake City, Kolkata –700064	Member
11	Shri Aniruddha Lahiri President, The Chatterjee Group (TCG) of Company 9B, Wood Street, Kolkata – 700 016	Member
12	Chief Personnel Manager Eastern Railway, Kolkata 17, Netaji Subash Road, Farely Place, Kolkata – 700 001	Member
13	Dr. Samiran Mandal Professor, HoD, Mechanical Engineering. NITTTR, Kolkata	Member (Faculty Representative)
14	Director / Director-in-Charge NITTTR, Kolkata-700106	Member Secretary

LIST OF MEMBERS OF FINANCE COMMITTEE (2013 - 2014)

Sl. No	Name & Address	Designation
1.	Shri Arun Kumar Saha Joint Managing Director, IL&FS The IL&FS Financial Centre Plot C22, G Block, Bandra Kurla Complex Bandra East, Mumbai – 400 051	Chairman BOG, NITTTR Kolkata
2.	The Additional Secretary to the Government of India Ministry of HRD, (Dept. of Higher Education), Govt. of India Shastri Bhawan, New Delhi – 110 115	Member
3.	Financial Adviser Ministry of HRD, Government of India Shastri Bhawan, New Delhi – 110 115	Member
4.	Director of Technical Education, Govt. of West Bengal Bikas Bhawan (10 th floor), Sector – III, Salt Lake City Kolkata – 700 091	Member
5.	Director / Director-in-Charge NITTTR, Kolkata-700106	Member Secretary

LIST OF MEMBERS OF BUILDING & WORKS COMMITTEE (2013-2014)

Sl. No	Name & Address	Designation
1.	Shri Sailapati Gupta AE – 502, Sector – I Salt Lake City, Kolkata – 700 064	Chairman
2.	Dr. Sajal Dasgupta Director of Technical Education, Govt. of West Bengal Bikas Bhawan (10 th floor), Sector – III, Salt Lake City Kolkata – 700 091	Member
3.	Shri Ashim Sinha I-1/5, Vidyasagar Colony Military Road (Opposite to Baghajatin State General Hospital) Kolkata – 700 047	Member
4.	Executive Engineer, CPWD, Kolkata Central Division – V 3rd Floor, East Wing, Nizam Palace 234/4, A. J. C. Bose Road, Kolkata – 700 020	Member (Nominee of CPWD)
5.	Head of the Department Civil Engineering, NITTTR, Kolkata	Member, ex-officio
6.	Shri S. K. Basu Chairman Builders Association of India FD – 218/7, Sector – III, Salt Lake City, Kolkata – 700 106	Special Invitee
7.	Faculty-in-Charge, Estate NITTTR, Kolkata	Special Invitee
8.	Director / Director-in-Charge NITTTR, Kolkata-700106	Member Secretary, ex-officio

**LIST OF MEMBERS OF ACADEMIC COUNCIL
(2013-2014)**

Sl.No.	Name	Designation
1.	Director / Director-in-Charge NITTTR, Kolkata	Ex-Officio Chairman
2.	Dr. R. Dasgupta Professor & HoD,CSE , NITTTR, Kolkata	Secretary
3.	Dr. R. Srinivasan Professor & HoD, Education, NITTTR, Kolkata	Member (upto 18th November,2013)
4.	Dr.S.Mandal Professor & HoD, Mechanical Engineering, NITTTR, Kolkata	Member
5.	Dr. S. Chakraborty Professor & HoD, EDPM, NITTTR, Kolkata	Member
6.	Dr.(Mrs.) A. De Professor & HoD, Science, NITTTR, Kolkata	Member
7.	Dr.D.Bose Professor, Mechanical Engineering, NITTTR, Kolkata	Member
8.	Dr. U. C. Kumar Professor & HoD, CDRT, NITTTR, Kolkata	Member
9.	Dr.(Mrs.) U. Kar Professor & Head, CDC, NITTTR, Kolkata	Member
10.	Dr. J. J. Mandal Professor & HoD, Civil Engineering, NITTTR, Kolkata	Member
11.	Dr. S. Chattopadhyay Associate Professor & HoD, Electrical Engineering, NITTTR, Kolkata	Member
12.	Shri N. K. Mandal Associate Professor of Mechanical Engineering, NITTTR, Kolkata	Nominated Member
13.	Dr. S .N. Mandal Associate Professor of Science Dept., NITTTR, Kolkata	Nominated Member
14.	Dr.H.Hussain Assistant Professor, Education, NITTTR, Kolkata	Nominated Member
15.	Dr. S. Pal Assistant Professor, Electrical Engineering, NITTTR, Kolkata	Nominated Member
16.	Prof.Manoj Mitra Professor, Metallurgical & Material Engineering Jadvapur University Kolkata- 700 032	External Member
17.	Dr.Krishnendu Chakraborty Principal, Kalyani Government Engineering College P.O.- Kalyani Dist. – Nadia, Pin-742135	External Member

Dates of Meetings of Academic Council, Building & Works Committee, Finance Committee, Board of Governors and the Institute's Society held during the year 2013 - 2014

Academic Council (AC) Meeting

21st Meeting on 02.04.2013 (Adjourned)
22nd Meeting on 27.05.2013 (Emergent)

Building & Works Committee (B&WC) Meeting

15th Meeting on 25-10-2013 chaired by Shri Sailapati Gupta

Finance Committee (FC) Meeting

17th Meeting on 14-06-2013 chaired by Shri Arun Kumar Saha
18th Meeting on 12-11-2013 chaired by Shri Arun Kumar Saha

Board of Governors (BOG) Meeting

19th Meeting on 14-06-2013 chaired by Shri Arun Kumar Saha
20th Meeting on 12-11-2013 chaired by Shri Arun Kumar Saha

Annual General Meeting of NITTTR, Kolkata Society

13th Meeting on 14-06-2013 chaired by Mr. Arun Kumar Saha
14th Meeting on 12-11-2013 chaired by Dr Sajal Dasgupta

MANAGEMENT

NITTTR, Kolkata is managed by a Society & a Board of Governors (BOG), whose Chairman, is Shri Arun Kumar Saha, Joint Managing Director and CEO, M/s. IL&FS, Mumbai. As of now the number of faculty members of the Institute is 24+1 which in turn is composed of 12 Professors, 8 Associate Professors, 5 Assistant Professors and Director. Also, the Institute had 2 Group A officers and a Part-time medical officer (PTMO) as on 31-03-2014.

TARGET AND ACHIEVEMENT

Table – 1: Summary of Target and Achievement

Sl. No.	Institutional Activities	Parameters	Target	Actual
01.	Education & Training Programmes for Degree & Diploma Level Technical Institutions and Industry	No. of Short Term Training Programmes/Courses	179	106
		No. of Trainees (STTP)	2000	1651
		No. of Short Term Training Programmes / Courses (ICT Mode)	18	10
		No. of Trainees (ICT Mode)	800	1209
02.	Instructional Materials Development	Educational Video Films for Gyandarshan Channel	20	20
03.	Curriculum Development / Curriculum Revision for Diploma Courses	As per demand	-	-
04.	Seminar/Workshop Organised	National Seminar/Conference	1	1
		Workshops	2	3

A) Short-Term Training & E-Learning (ICT Mode) Programmes

STTP activities of the Institute were coordinated by the Academic Section, under the supervision of a faculty member, designated as Academic Coordinator. STTPs were conducted by the faculty members at the main campus of the Institute at Kolkata and its Extension Centers located at Guwahati & Bhubaneswar. In addition, In-house Training Programmes (IHTP) were also conducted at the campus of various technical institutions on demand.

During the period (2013–2014), the Institute has conducted 116 Short-Term, In-House Training and E-Learning Programmes (ICT Mode) to train 2860 Faculty/Staff Members and Officers of Polytechnic, Engineering Colleges, Universities and Other Organizations. Details of Training Programmes are given in Tables 2 - 4 and Figures 1 – 3.

Table – 2: Short-Term Training Programmes (STTP)

Sl. No	Summary (STTP)	No. of STTPs	No. of Trainees
1	NITTTR-Kolkata <i>(Details in Annexure – I)</i>	80	982
2	Bhubaneswar Extension Centre <i>(Details in Annexure – II)</i>	8	135
3	Guwahati Extension Centre <i>(Details in Annexure – III)</i>	6	73
4	In-House Programmes <i>(Details in Annexure – IV)</i>	12	461
Sub-Total		106	1651
5	E-Learning Programme (ICT Mode) <i>(Details in Annexure – V)</i>	10	1209
GRAND TOTAL		116	2860

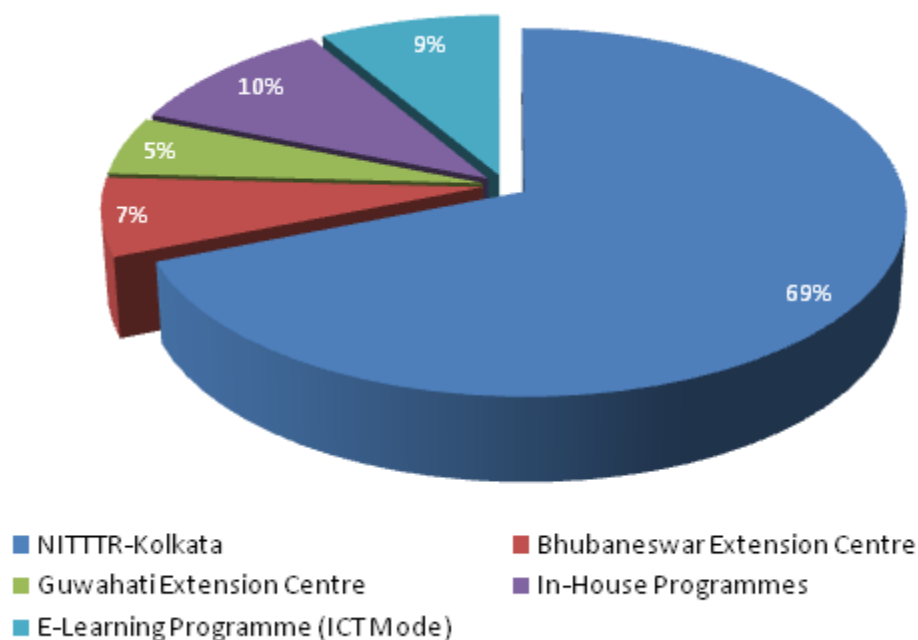


Figure 1 : Achievement Report

Table – 3: Participant Distribution from Different Types of Institutions

Sl. No.	Programme Venue	Teacher/Staff Trainees from Technical Institutions		Trainees belonging to other categories	Total
		Engg. Colleges	Polytechnics		
1	NITTTR, Kolkata	320	635	27	982
2	Bhubaneswar Extension Centre	22	113	-	135
3	Guwahati Extension Centre	24	49	-	73
4	In-House Programmes	46	228	187	461
Sub-Total		412	1025	214	1651
5	E-Learning Programme (ICT Mode)	-	1209	-	1209
GRAND TOTAL		412	2234	214	2860

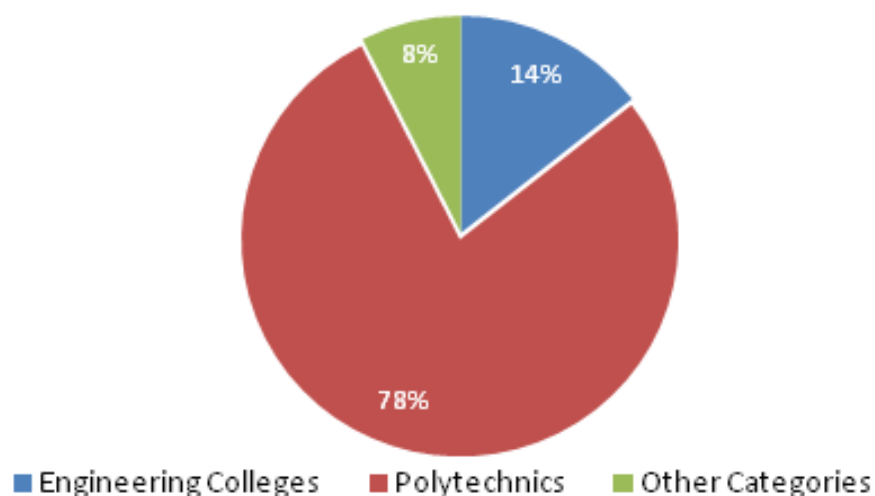


Figure 2 : Distribution of Trainees on the basis of Category of Sponsoring Institutions

Table –4: State-wise Distribution of Participants of Short-Term Training Programmes

Sl. No.	Programme Venue	North East States (@)	Bihar	Jharkhand	Odisha	West Bengal	States in Other Regions (*)	Total
1	NITTTR, Kolkata	134	109	65	13	555	106	982
2	Bhubaneswar Extension Centre				135			135
3	Guwahati Extension Centre	73						73
4	In-House Programmes	91	41		44	274	11	461
Sub-Total		298	150	65	192	829	117	1651
5	E-Learning Programme (ICT Mode)		82		956	171		1209
GRAND TOTAL		298	232	65	1148	1000	117	2860

Note

(@) Arunachal Pradesh – 2, Assam – 117, Manipur – 34, Meghalaya – 51, Mizoram – 70, Nagaland – 11 Sikkim – 4 and Tripura – 9

(*) Andhra Pradesh – 2, Delhi – 24, Karnataka – 34, Kerala – 13, Tamilnadu – 4, Madhya Pradesh – 2 Maharashtra – 14, Uttar Pradesh – 7, Punjab – 4, Goa – 2, Hariyana – 2 and Pondicherry – 9

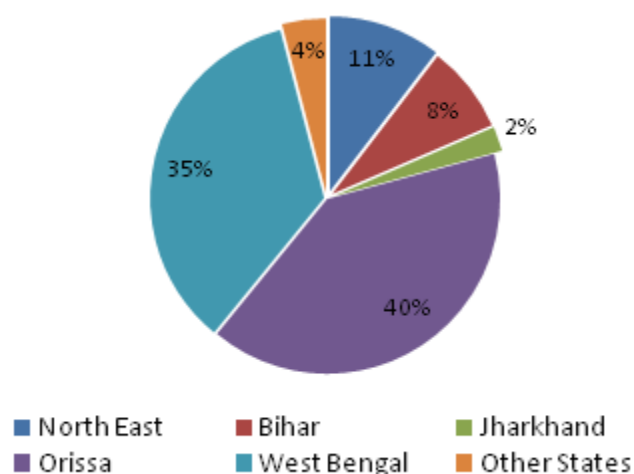


Figure 3 : State-wise Distribution of Trainees

B) M. Tech. Programme

The Institute launched Full Time (2 year) M. Tech programme in 2002-03 affiliated to West Bengal University of Technology (WBUT). At present M. Tech. Programmes are offered in four disciplines. Various statistics of M.Tech. programmes are given below :

Table –5

SI No	Name of Programme	No. of Students Enrolled in 2013-14		
		I Year	II Year	Total
i)	Manufacturing Technology	27	18	45
ii)	Mechatronics Engineering	25	24	49
iii)	Multimedia and Software System	25	27	52
iv)	Structural Engineering	08	07	15
Total:		85	76	161

Table –6

SI No.	Name of Programme	No. of M.Tech Students (Final) Appeared	No. of Students Awarded Degree
i)	Manufacturing Technology	15	15
ii)	Mechatronics Engineering	24	24
iii)	Multimedia and Software System	21	21
Total:		60	60

Table –7

SI No	Name of Programme	No. of Students on Roll (M. Tech) Programmes					
		I year			II Year		
		SC	ST	OBC	SC	ST	OBC
i)	Manufacturing Technology	04	01	07	04	01	03
ii)	Mechatronics Engineering	04	-	07	04	02	07
iii)	Multimedia and Software System	04	-	07	04	01	07
iv)	Structural Engineering	01	-	02	01	-	01
Total:		13	01	23	13	04	18

c) Educational Video Films for Gyandarshan Channel

Following is the list of Video Films developed by NITTTR, Kolkata and these films are telecasted through Gyandarshan TV Channel

Table –8

Sl. No	Name of Video Film	Contributor/Content Expert
1.	Normal Distribution	Late Dr. R Srinivasan, NITTTR,Kolkata
2.	Intelligence	Late Dr. R Srinivasan, NITTTR,Kolkata
3.	CAD/CAM Lecture – I	Shri N. K. Mandal, NITTTR,Kolkata
4.	CAD/CAM Lecture – II	Shri N. K. Mandal, NITTTR,Kolkata
5.	Supervising Students' Project Work Part – I	Dr. D. Bose, NITTTR,Kolkata
6.	Supervising Students' Project Work Part – II	Dr. D. Bose, NITTTR,Kolkata
7.	Introduction to Strategic Planning (Polytechnic Education)	Shri S. K. Naskar, NITTTR, Kolkata
8.	Fluid Power Part – I	Dr. D. Bose, NITTTR, Kolkata
9.	Fluid Power Part – II	Dr. D. Bose, NITTTR, Kolkata
10.	Fluid Power Part – III	Dr. D. Bose, NITTTR, Kolkata
11.	Introduction to PLC(Programmable Logic Controller) Part- I	Dr. S. Pal, NITTTR, Kolkata
12.	Introduction to PLC (Programmable Logic Controller) Part- II	Dr. S. Pal, NITTTR, Kolkata
13.	Engineering Economics and Accountancy (Part – I)	Dr. U K Basu, NSHM Kolkata Shri S. K. Naskar, NITTTR, Kolkata
14.	Engineering Economics and Accountancy (Part – II)	Dr. U K Basu, NSHM Kolkata Shri S. K. Naskar, NITTTR, Kolkata
15.	Engineering Economics and Accountancy (Part – III)	Dr. U K Basu, NSHM Kolkata Shri S. K. Naskar, NITTTR, Kolkata
16.	Engineering Economics and Accountancy (Part – IV)	Dr. U K Basu, NSHM Kolkata Shri S. K. Naskar, NITTTR, Kolkata
17.	Heat Exchanger Design Part – I	Dr. Chandan Guha, JU , Kolkata Shri S. K. Naskar, NITTTR, Kolkata
18.	Heat Exchanger Design Part – II	Dr. Chandan Guha, JU , Kolkata Shri S. K. Naskar, NITTTR, Kolkata
19.	Heat Exchanger Network Part – I	Dr. Chandan Guha, JU, Kolkata Shri S. K. Naskar, NITTTR, Kolkata
20.	Heat Exchanger Network Part – II	Dr. Chandan Guha, JU , Kolkata Shri S. K. Naskar, NITTTR, Kolkata

d) National Seminar / Conference Organized at NITTTR, Kolkata

Table –9

Sl. No	Program Title	Program Co-ordinator(s)	Date		No. of Participants
			From	To	
1	National Conference on Recent Trends in Manufacturing Science & Technology (RTMST)	Mechanical Engg. Deptt.	18/04/2013	19/04/2013	47

e) Workshop Organized at NITTTR, Kolkata

Table 10

Sl. No	Program Title	Venue	Date		No. of Participants
			From	To	
1	E-Learning for N-E States (1 –Day)	Guwahati, Assam	06/05/2013	-	63
2	E-Learning for N-E States (1 –Day)	NITTTR, Kolkata	08/10/2013	-	26
3	Guidance of Revision of Existing Curricula of Shillong Polytechnic (2 –Day)	NITTTR, Kolkata	05/12/2013	06/12/2013	6
TOTAL					95

LIST OF FACULTY

Director: Prof. S. K. Bhattacharyya (Upto 29/12/2013)

Director-in-Charge: Dr. Sekhar Chakraborty (From 30/12/2013 onwards)

Civil Engineering Department

- 1 Dr. Jagat Jyoti Mandal
Professor & HoD
Area of Interest: Soil Structure Interaction, Computation Geomechanics, Geotechnical Earthquake Engineering, Pavement Engineering.
- 2 Dr. Santanu Bhanja
Associate Professor
Area of Interest: High Performance Concrete, Health Assessment of Structures, Software Applications in Structural Engineering.
- 3 Mrs. Mithu Majhi
Assistant Professor
Area of Interest: Composite Structure, Numerical Techniques in Structural Engineering.

Community Development & Rural Technology Department

- 4 Dr. Uday Chand Kumar
Professor & HoD
Area of Interest: Rural Sanitation.
- 5 Mrs. Sheela Yadav Rai
Assistant Professor
Area of Interest: Power Systems, Power Electronics, Digital Electronics, Non-conventional Energies, Community Development, Vocational Education

Computer Science & Engineering Department

- 6 Dr. Shyamal Majumdar
Professor & Ex-HoD (on lien to UNESCO/UNEVOC, Bonn, Germany)
Area of Interest: Multimedia, E-Learning, ICT in Education
- 7 Dr. Ranjan Dasgupta
Professor & HoD
Area of Interest: Database, Parallel & Distributed Computing, GIS, e-learning.
- 8 Dr. Samir Roy
Associate Professor
Area of Interest: Educational Informatics, Artificial Intelligence & Soft Computing, Formal Languages & Automata Theory.
- 9 Mr. Rajeev Chatterjee
Assistant Professor
Area of Interest: Computer Networks, E-Learning.

Curriculum Development Centre

- 10 Dr. Urmila Kar
Professor & Head
Area of Interest: Control System, Fuzzy Logic Control, Soft Computing Techniques, Curriculum Development.
- 11 Mr. Sukanta Kumar Naskar
Associate Professor
Area of Interest: HRM, Total Quality Management (TQM), Project Management, Curriculum.

Education Department

- 12 Dr. R. Srinivasan
Professor & Ex-HoD (upto 18th November, 2013)

- 13 Dr. Rajarshi Roy
Associate Professor
Area of Interest: Methodology of Educational Research, Psycho pedagogy, Educational Sociology, Special Education, Educational Measurement & Evaluation.
- 14 Dr. Habiba Hussain
Assistant Professor
Area of Interest: Molecular Biology, Educational Psychology, Educational Technology.

Educational Planning & Management Department

- 15 Dr. Sekhar Chakraborty
Professor & HoD
Area of Interest: Chemical Engineering, Environmental Management, Quality Management in Training, Institutional Management & Media in Teaching-learning .

Electrical Engineering Department

- 16 Dr. Prasanta Sarkar
Professor & Ex-HoD (On lien to GKCIET, Malda, West Bengal)
Area of Interest: Control Systems & Instrumentation, Artificial Intelligence.
- 17 Dr. Subrata Chattopadhyay
Associate Professor
Area of Interest: Sensor Technology, Process Instrumentation, Electrical & Electronics Measurement, Bio-Medical Instrumentation, Programmable Logic Controller (PLC), Distributed Control System (DCS) & Supervisory Control of Data Acquisition (SCADA).
- 18 Dr. Soumitra Kumar Mandal
Associate Professor
Area of Interest: Power Electronics, Artificial Intelligence, Computer Controlled Drives.
- 19 Dr. Sagarika Pal
Assistant Professor
Area of Interest: Sensors & Transducers, Measurement & Control, PLC & DCS, Process Instrumentation, Sensors in Robotics.

Mechanical Engineering Department

- 20 Dr. Samiran Mandal
Professor & HoD
Area of Interest: Machine Tools, Robotics, Manufacturing Technology.
- 21 Dr. Dipankar Bose
Professor
Area of Interest: Fluid Power & Hydraulics, Reliability Engineering, Welding Technology, Non-traditional machining.
- 22 Mr. Nirmal Kumar Mandal
Associate Professor
Area of Interest: Computer Graphics, Computer Numerical Controlled (CNC) Machines.

Science Department

- 23 Dr. (Mrs.) Anuradha De
Professor & HoD
Area of Interest: Applied Physics, Nuclear Physics, Laser & Optical Fibre, Software & Laboratory related Training activities.
- 24 Dr. Sailendra Nath Mandal
Associate Professor
Area of Interest: Environmental Science & Engineering, Engineering Chemistry, Chemical Engineering.

List of Officers

- 1 Mr. Ashit Kumar Chakraborty
Senior Administrative Officer
Area of Interest: Management (HR), Education, Modern Indian History, Philosophy, Language learning, Indology, Metaphysics
- 2 Mr. Yogamay Das
Production Officer
Area of Interest: Photography & Educational Media Production

List of M. Tech. Students (1st Year) in Different Programmes

Manufacturing Technology (MT)

1. Subhajit Roy
2. Abhishta Saha
3. Anubhab Basu
4. Arijit Nath
5. Arnab Das
6. Banarsi Pandey
7. Birendra Kumar
8. Debajit Das
9. Debal Pramanik
10. Dolan Kumar Das
11. Indranil Mandal
12. Nirupam Paramanik
13. Prasenjit Mondal
14. Puspendu Chandra Chandra
15. Rajarshi Mondal
16. Rakesh Kumar
17. Ranjit Barua
18. Sajal Mandal
19. Shibly Sadiqul Ameen
20. Sibabrata Mondal
21. Someswar Dey
22. Souvik Nandi
23. Sujan Roy
24. Susankar Mondal
25. Ujjal Bera
26. Vikash Kumar

Mechatronics Engineering (ME)

1. Amit Ranjan
2. Anuradha Guha
3. Arka De
4. Debarati Banerjee
5. Debashis Mahata
6. Falguni Gopmandal
7. Firdoshi
8. Kishore Saurabh
9. Kumarjit Ghosh
10. Md. Saiful Haque
11. Pinki Das
12. Rajarshi Chowdhury
13. Rakhi Kumari
14. Sandeep Chakladar
15. Sangita Barman
16. Shambhu Kumar Gupta

Mechatronics Engineering (ME)

17. Soumyadeep Samonto
18. Subhadip Sadhukhan
19. Subhankar Pramanik
20. Suman Kumari
21. Surajit Basak
22. Susobhan Roy
23. Suvadip Shome
24. Nishtha Srivastava

Multimedia and Software System (MSS)

1. Sumana Maiti
2. Syaamantak Das
3. Md. Abdul Aziz
4. Sanghita Banerjee
5. Utpal Maji
6. Sourav Kumar Dey
7. Sampa Debnath
8. Saroj Verma
9. Pallabi Routh
10. Satrajit Nandi
11. Saptadeep Roy
12. Sucheta Chatterjee
13. Sayantan Singha Roy
14. Kshitish Mahata
15. Barun Mallick
16. Ramesh Saha
17. Elias Biswas
18. Md. Habibul Ansary
19. Vishnudeo Kumar
20. Argho Biswas
21. Anuradha Biswas
22. Md. Danish Shams
23. Jhuma Mandal
24. Ashutosh Kumar
25. Saswati Chakraborty

Structural Engineering (SE)

1. Asish Roy
2. Chinmoy Pal
3. Goutam Das
4. Jayanta Nath Chowdhury
5. Payal Chaudhuri
6. Sourav Kar
7. Suvadeep Acharjee
8. Victor Chakraborty

List of M. Tech. Students (2nd Year)

Manufacturing Technology (MT)

1. Aniket Biswas
2. Aniket Kumar
3. Anish Biswas
4. Atul Kumar
5. Bappa Patra
6. Bibaswan Kar
7. Bidhan Chandra Biswas
8. Bithun Sarkar
9. Debasish Sarkar
10. Indranil Mohanta
11. Rinku Shaw
12. Sadananda Chakraborty
13. Sarbottam Biswas
14. Sukanta Saren

Mechatronics Engineering (ME)

1. Alope Mondal
2. Anush Kumar Sinha
3. Arijit Mondal
4. Chhotelal Sah
5. Debarghya China
6. Dheeraj Kumar
7. Dinesh Kumar
8. Ganesh
9. Jagannath Rajak
10. Jayanta Deb Sharma
11. Keshav Chandra
12. Lopamudra Duley
13. Nabin Kumar Dhara
14. Prabhat
15. Rajeev Ranjan
16. Smritikana Dalal

Multimedia and Software System (MSS)

1. Mr. Mahendra Mandi
2. Mr. Anirban Mandal
3. Mr. Arunava Banik
4. Mr. Sumit Kumar Mondal
5. Mr. Sanatan Garai
6. Mr. Ashadul Haque
7. Mr. Bikash Kumar Shaw
8. Mr. Md. Ajij
9. Mr. Sayan Nath
10. Mr. Sukanta Sen
11. Ms. Anushree Jana
12. Mr. Debabrata Kundoo
13. Mr. Deep Sikder
14. Mr. Amrendra Kumar Sinha
15. Mr. Santanu Panja
16. Mr. Shouvik Biswas
17. Mr. Sugata Jana
18. Mr. Manoj Kumar
19. Mr. Shailesh Kumar
20. Mr. Sabir Ahmed
21. Mr. Tapas Nath
22. Mr. Tinku Adhikari
23. Ms. Saswati Ghosh
24. Mr. Sudin Kumar Sarkar

Structural Engineering (SE)

1. Anasuya Mondal
2. Arnab Ghosh
3. Ayana Ghosh
4. Sanjib Das
5. Sayan Kumar Shaw
6. Taniya Saha
7. Tapabrata Roy

Publications

i) Journal (National/International):

- 1) K. Chakraborty, **U. Kar** and S. Kundu [2013] "Control of chaos in current controlled dc drives", Journal of Circuit, Systems and Computers, vol.22, no.5.
- 2) S. Kundu, **U. Kar** and K. Chakraborty [2013] "Co-existence of multiple attractors in the PWM controlled DC drives", The European Physical Journal Special Topics, vol. 222, no. 3-4, pp. 699-709.
- 3) **S. Bhanja** and S. Pan [2013], "Modified Water-Cement Ratio Law for Fly Ash Concrete", Indian Concrete Journal, vol.87, no.10, pp. 21-28.
- 4) U. K. Chakraborty, **S. Roy** and S. Chowdhury [2014], "A Novel Semantic Similarity based Technique for Computer Assisted Automatic Evaluation of Textual Answers in Advanced Computing, Networking and Informatics" Smart Innovation, Systems and Techniques, Springer, – vol. 1 (E-Journal).
- 5) R. Mondal and **S. Pal** [2013], "Microcontroller Based Temperature Monitoring and Closed Loop Control to Study the Reaction of Controlled Variable with Respect to Load Changes", Sensors and Transducers Journal, International Frequency Sensor Association Publishing (IFSA), Europe, vol. 153, no. 6, pp. 148-154.
- 6) I. Mazumdar, R. Mondal and **S. Pal** [2013], "Design and Development of a Low Cost Colour Sensor and its application in Angular Position Control System of a Stepper Motor", International Journal of Electronics and Computer Science Engineering" ISSN 2277-1956/ vol. 2, no. 4, pp 1241-1251.
- 7) C. Sain, **S. K. Mandal** and Sanjukta Dey [2013], "Design and Analysis of Control Circuit for TCSC FACTS Controller", International Journal of Engineering Research & Technology, vol.2, no.5, pp.1353-1359.
- 8) S. Das and **S. K. Mandal** [2013], "Channel Equalization of WCDMA Downlink System Using Finite Length MMSE-DFE", ISRO-Journal of Electronics and Communication Engineering (JECE), pp.36-40.
- 9) D. Das Adhikary, G. K. Bose, **D. Bose** and S. Mitra [2013], "Maintenance class-based cost-effective preventive maintenance scheduling of coal-fired power plants", International Journal Reliability and Safety (Inderscience), vol. 7, no. 4, pp 358 – 370.
- 10) D. Das Adhikary, G. K. Bose, **D. Bose** and S. Mitra [2014], "Multi Criteria FMECA for coal-fired thermal power plants using COPRAS-G", International Journal of Quality & Reliability Management, (Emerald), vol. 31, no. 5, pp 601 – 614.
- 11) S. Mukherjee, A. K. Bhattacharya and **S. N. Mandal** [2013], "Mitigation of colour and COD from textile wastewater by HMS, Polymeric Coagulants and aids – including longitudinal study", International Journal of Civil Engineering & Technology (IJCIET), vol. 4, no. 5, pp. 33-41.
- 12) **S. N. Mandal**, S. Mukherjee and A. K. Bhattacharya [2013], "Evaluation of performance of hydrolyzing metal salts, polymeric coagulants and aids in textile wastewater clarification", Research Journal of Chemistry & Environment, vol. 17, no.12, pp.109-1163.
- 13) S. Mukherjee, A. K. Bhattacharya and **S. N. Mandal** [2013], "Evaluation of different coagulants and adsorbents in mitigation of colour and COD from textile wastewater", International Journal of Chemistry, vol. 2, no.4, pp. 565-576.
- 14) Joydeep Bhattacharya and **S. N. Mandal** [2014], "Effect on nitrate, sulphate and fluoride of wastewater on groundwater", Research Journal of Chemistry & Environment, vol. 18, no.2, pp. 50-56.
- 15) S. Mukherjee, A K Bhattacharya and **S. N. Mandal** [2014], "Evaluation of performance of different aluminum based coagulants and aids in river water clarification", International Journal of Sustainable Development and Planning", vol. 9, no. 3, pp. 417-429.
- 16) **R. Dasgupta**, S. Bhattacharya, A. Dutta, S. Bhattacharya and A. Kanjilal, [2013], "Engineering of Requirements for a Distributed Teleteaching System: A conceptual Graph Based Approach", ACM SIGSOFT Software Engineering Notes (SEN), vol 38, pp. 01 – 12.

ii) Conference/Seminar (National/International) :

- 1) **U. Kar** and K. Chakraborty (2013), "Bifurcation and chaos phenomena in capacitor run signal phase induction motor," In proceedings of international conference (Perspective of nonlinear dynamics-2013), July 15-18, (CD format).
- 2) K. Chakraborty and **U. Kar** (2013), "Bifurcation phenomena induction motor," In proceeding India conference (INDICON-2013), Dec. 13-15 (CD format).
- 3) A. Chanda, **S. K. Naskar** and **D. Bose** (2013) "Reliability analysis and maintainability aspects of a paint manufacturing plant" accepted and published in e-proceedings of RTMST-2013 of NITTTR-Kolkata, April 18-19, pp. 296-305.
- 4) **S. K. Naskar** (2014), "A multi dimensional sustainable development (SD) approaches of TVET system" accepted for presentation and publication at 7th Quality conference in the Middle East – transformation to the sustainable excellence, Hamdard Bim Muhamad University, Dubai. March 3-5, (CD format).
- 5) **S. Bhanja** and S. Pan (2013), First International Conference on Concrete Sustainability, Toshi Center Hotel, Tokyo, Japan, "Predictor Models for Evaluation of Efficiency Factors of Fly ash in Concrete", May 27-29 (CD format), Abstract pp.S1-3-5.
- 6) S. Das, K. Adhikary and **S. Roy** (2014), "A Novel and Efficient Rough Set Based Clustering Technique for Gene Expression Data," Int Conf. On Business and Information Management, India, Jan. 9-11 (CD format).
- 7) **H. Hussain** (2013), "Emotional Intelligence: the Key TO Facilitate 21st Century Learning", International conference on 'Global integration & sustainability: Management Education at crossroads', held at Calcutta Business School, Dec. 16-17, ISSN 1905-8055. pp. 270-277.
- 8) T. K. Sharma and **S. K. Mandal** (2013), "Design and Implementation of 16 bit low power FPGA based RISC Embedded Processor Using VHDL", International Conference on IEMCON-2013, Kolkata, Aug. 23 - 24. pp. 251-256.
- 9) S. Das and **S. K. Mandal** (2013), "Performance Analysis of Chaotic Spreading Sequence in WCDMA Downlink System", AWCN-2013, Oct.28 – Nov.01 (CD format).
- 10) S. Bagchi and **S. K. Mandal** (2013), "Design of Microstrip Patch Antennas For Broadband Applications", AWCN 2013, Oct.28 – Nov.01 (CD format).
- 11) **R. Dasgupta**, N. Chaki and K. Halder (2013), "Analysis and design of Learner Quanta Graph Properties for efficient query processing in an adaptive dynamic courseware" - IEEE International Conference on Teaching, Assessment and Learning for Engineering (TALE 2013) held at Bali, Indonesia, Aug.26 – 29, pp. 91 – 94.

Books Published

- a) **S. K. Mandal**, "Digital Principals and System Design", 1st Edition, ISBN 978-9-35-134327-1, McGraw Hill Higher Education, October -2013.
- b) **S. K. Mandal**, "Analog Electronic Circuits", 1st Edition, ISBN 978-1-25-909769-0, McGraw Hill Higher Education, June -2013.
- c) **S. K. Mandal**, "Digital Electronics and Integrated Circuits", 2nd Edition, ISBN 978-1-25-909749-2, McGraw Hill Higher Education, June -2013.
- d) **S. K. Mandal**, "Microprocessors and Microcontrollers", 2nd Edition, ISBN 978-9-25-909751-5, McGraw Hill Higher Education, June -2013.

Manufacturing Technology

1. Abishek Kumar – “Optimization of Submerged Arc Welding Process Parameter Using Genetic Algorithm” [Supervisors : Dr. D. Bose & Dr. S. Chaki]
2. Akash Kumar – “Parametric Modelling & Optimization of GMAW Process with Austenitic Stainless Steel Using Neural Networks & Taguchi Method” [Supervisors : Dr. D. Bose & Dr. S. Chaki]
3. Amit Kumar – “Development of an Automated System for TIG Welding and Optimization of Process Parameters of Fillet Welded Joint in Zircaloy-4” [Supervisor : Dr. D. Bose]
4. Anup Das – “Investigation and Analysis on Performance of Fe-W-Co-Cr-C-Ti Alloy Cutting Tool Inserts Produced by Powder Metallurgy Process” [Supervisors : Dr. D. Bose & Mr. G. Dutta]
5. Anupam Kar – “Determination of Mechanical and Tribological Properties of Al-Si Alloy Produced by Powder Metallurgical Process” [Supervisor : Dr. S. Mandal]
6. Anurag Chakraborti – “Time Optimal Trajectory Planning of 5R Industrial Spray Robot for Planar Surface Painting” [Supervisor : Dr. S. Mandal]
7. Asis Kumar Mandi – “Prediction of Temperature Distribution and Steady State Thermal Analysis of Mild Steel Butt Welding Joint by Manual Metal Arc Welding Process” [Supervisor : Dr. D. Bose]
8. Dibyendu Mondal – “Experimental Identification of the Specific Force Coefficients of Mechanistic Model for Orthogonal Turning of EN32 Alloy Steel Using Carbide Tool” [Supervisor : Dr. S. Mandal]
9. Indranil Chakraborty – “Modeling and Optimization of Cutting Tool Temperature Based on Multi-Performance Criteria in CNC End Milling of SAE8620 Using Genetic Algorithm” [Supervisor : Mr. N. K. Mandal]
10. Jit Phadikar – “Multi-Objective Optimization of Tool Wear in EN24 Turning Using Particle Swarm Optimization” [Supervisor : Mr. N. K. Mandal]
11. Parimal Kumar - “Modelling and Experimental Investigation of Machining Parameters for Brass Wire on Inconel-718 Work Piece by CNC Wire Cut Electrical Discharge Machining Process” [Supervisor : Dr. D. Bose]
12. Pritam Mandal – “Experimental Modeling and Optimization of EN24 Steel Turning Based on Multi-Performance Criteria” [Supervisor : Mr. N. K. Mandal]
13. Soham Das – “Parametric Modelling & Optimization of TIG Welding Process Using Artificial Neural Networks and Taguchi Methodology” [Supervisors : Dr. D. Bose & Dr. S. Chaki]
14. Tanmoy Roy – “Correlation and Optimization of Surface Roughness, MRR and Machining Dynamics of EN24 Steel Turning” [Supervisor : Mr. N. K. Mandal]
15. Uday Kumar – “Selection of Optimal Knot Points on a Path of Motion of Spray Gun in Trajectory Planning of Spray Painting Robot” [Supervisor : Dr. S. Mandal]

Mechatronics Engineering

1. Ali Hossain – “GSM Based Electronics Notice Board” [Supervisor : Dr. S. Pal]
2. Ganesh Ram – “Design and Development of Capacitive thickness Measuring Sensor” [Supervisor : Dr. S. Pal]
3. Avirup Das – “Design and Development of Automatic color and shape Recognition System using Robot Vision Techniques” [Supervisor : Dr. S. Pal]
4. Arjita Das – “Design and Development of wall Following and obstacle Avoiding Autonomous Mobile Robot” [Supervisor : Dr. S. Pal]
5. Chand Mohammad Ansari – “Speed control of DC Motor using Microcontroller” [Supervisor : Dr. S. Pal]
6. Rajgopal Sasmal – “Wireless Data Logging System using Bluetooth Technology” [Supervisor : Dr. S. Pal]
7. Sanjeev Kumar – “Open loop Remote Position control of Robot using DTMF Technology and Development of line following Robot with Automation Pick & Place Feature” [Supervisor : Dr. S. Pal]
8. Sancita Mandi – “Design and Development of one Axis Solar Tracking System ATMEGA8 Microcontroller” [Supervisor : Dr. S. Pal]
9. Sudip Kumar Mondal – “Design and Development of Automatic color & shape recognition system by using robot vision technique” [Supervisor : Dr. S. Pal]
10. Chiranjit Sain – “Behavioral Study of TCSC facts controller & its application to control power flow” [Supervisor : Dr. S. K. Mandal]
11. Debarghya Datta – “Industrial Miniature model of bottle filling plant using microcontroller based embedded system” [Supervisor : Dr. S. K. Mandal]
12. Somnath Ganguly – “Three phase voltage scanner using analog digital converter” [Supervisor : Dr. S. K. Mandal]
13. Souvik Kumar Dolui – “Speed Control of AC Motor using infrared receiver (IR) module” [Supervisor : Dr. S. K. Mandal]
14. Tarun Kumar Sharma – “Design and implementation of 16 bit low power Fpga based RISC embedded processor” [Supervisor : Dr. S. K. Mandal]
15. Avijit Mondal – “Design, Development and Testing of A RFID Access Control & Time Attendance Management System” [Supervisor : Dr. S. K. Mandal]
16. Subhajit Bagchi – “Design and Implementation of Microstrip Antennas For Broadband Applications” [Supervisor : Dr. S. K. Mandal]
17. Prabrit Bandyopadhyay – “Design of Advanced Energy Meter Using Atmega 8 Microcontroller” [Supervisor : Dr. S. K. Mandal]
18. Amit Kumar Shah – “Design And Development of Assistive Technology In Accordance with Sign Language and Voice Synthesis” [Supervisor : Dr. S. Chattopadhyay]
19. Biplab Roy – “GSM GPS Security System and Its Implementation As Anti-Theft System In Automobiles” [Supervisor : Dr. S. Chattopadhyay]
20. Subir Seal – “Automatic Water Level Monitoring and Control Using a Microcontroller” [Supervisor : Dr. S. Chattopadhyay].
21. Jyotindra Nath Chakraborty – “Design and Development of Temperature Monitoring And Control System Using PID Controller” [Supervisor : Dr. S. Chattopadhyay]
22. Rohit Kumar – “Design of Manually Controlled Wireless Robot For Various Field of Application” [Supervisor : Dr. S. Chattopadhyay]
23. Mandakinee Bandyopadhyay – “Design Development and Testing of PC Based Speed And Position Controlled System of a DC Motor” [Supervisor : Dr. S. Chattopadhyay]
24. Ranadip Kundu – “Optimization of PID Controller parameters using Genetic Algorithm” [Supervisor : Dr. S. Chattopadhyay]

Multimedia and Software System

1. Arpita Debnath – “ACO Based Advice Generation for Curriculum Sequencing Under Flexible Learning System” [Supervisor : Dr. Samir Roy]
2. Bidyut Mahato,- “ An Automatic Keyword Extraction Oriented Technique for Filtering Undesirable Comments from Social Networking Sites” [Supervisor : Dr. Samir Roy]
3. Debarshi Guha, - “A Study on Requirements Specification” [Supervisor : Dr. R. Dasgupta]
4. Dipanwita Sadhukhan – “Conversion of Hierarchical Database to Relational Database” [Supervisor : Dr. R. Dasgupta]
5. Gopal Bandyopadhyay,- “Study on Job Distribution and Load Balancing in Cloud Computing” [Supervisor : Dr. R. Dasgupta]
6. Jayanta Priya Roy - “Security And Privacy In E-Learning” [Supervisor : Mr. R. Chatterjee]
7. Jitesh Prasad Khatick – “Security Issues in Cloud Computing” [Supervisor : Dr. R. Dasgupta]
8. Krishnendu Adhikary- “Theory and Applications of Rough Sets for Clustering Gene Expression” [Supervisor : Dr. Samir Roy]
9. Madhusudan Adhikary – “Automatic Keyword Extraction From Scientific Document” [Supervisor : Dr. Samir Roy]
10. Md. Nurujjaman – “Automatic Plagiarism Detection” [Supervisor : Dr. Samir Roy]
11. Mihir Sarkar – “Modeling of A Multi-Track Railway with Parallel Railroad Level Crossing Traffic Control System Using Timed Petri Net” [Supervisor : Dr. R. Dasgupta]
12. Mousumi Bera, - “Design of Integrated Image Encryption and Compression” [Supervisor : Mr. R. Chatterjee]
13. Paramita Sarkar – “An ACO Based Technique of Curriculum Sequencing for an E-Learner in a Virtual Learning Environment” [Supervisor : Dr. Samir Roy]
14. Partha Nandi - “A Study on Cloud Computing and Big Data: Challenges and Opportunity” [Supervisor : Dr. R. Dasgupta]
15. Pritam Thakur – “ A Steganography Algorithm for Hiding Message in Image by LSB Substitution” [Supervisor : Mr. R. Chatterjee]
16. Rajib Das- “Design and Implementation of a Plagiarism Detection Technique” [Supervisor : Dr. Samir Roy]
17. Sayamuddin Ahmed Jilani- “Pedagogical Aspect of E-Learning Courseware” [Supervisor : Mr. R. Chatterjee]
18. Shubhankar Ganguli,- “Framework for Identify Commonality Between Requirements” [Supervisor : Dr. R. Dasgupta]
19. Soumen Sarkar – “Study on Minimum Bounding Rectangle” [Supervisor : Dr. R. Dasgupta]
20. Suman Das - “Rough Sets Theoritic Approach for Gene Expression Clustering” [Supervisor : Dr. Samir Roy]
21. Sumana Chakraborty – “Design And Implementation of a Neural Network Based Automatic Job Counseling System for Engineering Pass outs” [Supervisor : Dr. Samir Roy]

Invited Talk

- 1) Dr. **S. Roy**, "Changing Scenario of Education in ICT Era" at Institute of Engineering & Management, Salt Lake, Kolkata in Jan. 2014.
- 2) Dr. **H. Hussain**, during a 3 day 'Faculty Development Program' on "Communication & Management Essentials" at Narula Institute of Technology, Kolkata in July 2013.
- 3) Dr. **A. De**, "Application of Physics in Technology based Innovation and Research" at Narula Institute of Technology, Kolkata in Aug., 2013.

Ph.D. Supervision

Dr. **Santanu Bhanja**, "Effect Of Fly Ash As A Cement Replacement Material On The Characteristics Of Concrete" September, 2013 [Scholar : Mr. Samaresh Pan, Co-supervisor : Dr. Sankar Chakraborty, Jadavpur University.

Miscellaneous Activities

Administrative Responsibility :

- 1) Dr. S. K. Mandal, Academic Co-ordinator
- 2) Dr. S. K. Mandal, Faculty-in-Charge, Electrical Maintenance
- 3) Dr. S. Pal, P.G. Co-ordinator
- 4) Dr. J. J. Mandal, Faculty-in-Charge, Estate
- 5) Dr. H. Hussain, Faculty-in-Charge, Central Stores
- 6) Dr. A. De, Hostel Warden (PG)
- 7) Dr. D. Bose, Chairman, Purchase
- 8) Dr. S. Bhanja, Faculty-in-Charge, Administration upto Feb., 2014
- 9) Mr. S. K. Naskar, Hostel Warden (Executive, Apex)
- 10) Mr. S. K. Naskar, Faculty-in-Charge, Accounts

External Participation :

- 1) Dr. H. Hussain, a two-day workshop organised by & held at IIM, Calcutta on "Facilitating Ethics Education in Technical/Business schools" 17-18 February 2014.
- 2) Dr. H. Hussain, National seminar organised by Institution of Engineering & Technology (India) on "Role of Engineers in Sustainable Development", 29th December, 2013 at Science City, Kolkata.
- 3) Dr. J. J. Mandal, a member of Board of Studies for Civil Engineering of Indian Institute of Engineering Science and Technology (IIEST), Shibpur, attended meetings during 2013-14.
- 4) Dr. J. J. Mandal, a member of Ph. D committee for Civil Engineering, West Bengal University of Technology (WBUT), attended meetings during 2013-14.
- 5) Dr. J. J. Mandal, member, Building and Works Committee (BWC) of Ghanikhan Chowdhury Institute of Engineering & Technology, Malda, attended meetings during the year 2013-14.
- 6) Dr. U. Kar, the vetting of equipment/machinery to be procured under the scheme "Strengthening of Existing Polytechnic", MHRD, Government of India, for different states.

Journal Reviewer :

- 1) Dr. H. Hussain reviewed papers for the following journals :
 - a. Journal of Engineering, Science & Management Education, A Quarterly Research, ISSN : 0976-0121.
 - b. The Indian Journal of Vocational Education, A Biannual Journal, ISSN : 0972-5830
 - c. Journal of All India Association for Educational Research, A Quarterly Research Journal, ISSN : 0970-9827

INFRASTRUCTURE DEVELOPMENT

Table 11: Infrastructure Development of the Institute

Sl. No.	Name of work	Name of Agency	Value of Work (Rs. in lakhs)	Payment made upto 31/03/2014	Status of work up to 31/03/2014
1.	Construction of New Academic Building	CPWD	558.00	417.34	Almost completed
2.	Construction of Electrical Switchgear rooms, covered electrical duct	PWD	25.00	24.81	Completed
3.	Construction of 2 nos. Electrical Switchgear rooms,	PWD	17.68	10.25	Completed
4.	Renovation of faculty chambers, class room and laboratory of mechanical engineering Dept.	CPWD	19.50	13.03	Completed
5.	Repairing and painting of Old and New Building	CPWD	40.40	35.26	Completed except roof treatment work for old building
6.	Renovation of 41 Nos.of rooms of Executive Hostel	CPWD	123.29	45.44	1 st phase nearing completion
7.	Renovation of qtr, Guest house, Dining Hall, Store and Toilet of Extension Centre, BBSR	R&B, PHE & GE of Govt. of Odisha	31.06	8.38	In progress
8.	Repairing of toilets for New & Old Building	CPWD	66.32	22.10	Work not yet started
9.	Repairing of Hostel No.1	Narayan Charaborty	4.29	3.37	Completed
10.	Construction of Car Garage	Utpal Roy	4.34	3.37	Completed
11.	Interior Decoration and related Electrical work including supplying of furniture of Director's Secretariat	Mobel India Pvt. Ltd.	6.44	NIL	Completed

EQUIPMENT > 10 Lacs

Table 12: Equipment with valuation more than 10 Lacs

Sl. No.	Name of the Equipment	Specification	Valuation
1	CAPO TEST SYSTEM	German Make: For measurement of In-situ compressive strength of concrete	12.80 lacs

HOSTEL

a) Executive Hostel

Institute has a modernized executive hostel to provide lodging facility to STTP trainees and guest. Though during the period under reference one block of the hostel was major renovation, services from the executive hostel were smoothly done with full cooperation from the STTP trainees and guests and active support from Estate Section of NITTTR-Kolkata.

During the period under reference, 641 trainees from various polytechnic and engineering colleges stayed in the executive hostel. Other than these, there were 109 officials and guests in the hostel as and when required.

b) P. G. Hostel

Statistics of the number of M.Tech. Students resided in the P.G hostel is given below :

Table 12: Statistics of Boarders of PG Hostel

Academic Year	Number of Boarders		
	Boys	Girls	Total
1 st Year	28	8	36
2 nd Year	30	2	32

SC/ST/OBC/PWD FILLING UP OF POSITION

Out of three posts earmarked for PWD, one post was filled in 2011, while two vacant posts were re-advertised through English and Hindi News papers and against the Group "C" post, none of the applicants fulfilled the essential qualification / experience and the post has been again re-advertised.

MATTER OF LITIGATION

No Litigation case is pending.

RAJ BHASHA HINDI DIWAS

The Institute observed the Raj Bhasha Hindi Diwas on 18th September, 2013.

RIGHT TO INFORMATION ACT, 2005

During the year 2013-14, the Public Information Officer of the Institute received a total 14 applications under RTI Act, 2005 seeking information related to the Institute. Among those applications, 6 applications were received through the MHRD and 8 others were directly received from the applicants. Replies to these queries were sent directly to the applicants under intimation to the Ministries concerned as applicable. Necessary charge for xeroxing was recovered wherever necessary as per RTI Act, 2005. As on 31-03-2014 there was no RTI application pending with the Institute.

SPORTS MEET

NITTTR, Bhopal hosted 10th Inter-NITTTR Sports Meet 2014 during 11 – 14 February, 2014. All 4 NITTTRs i.e., NITTTR, Bhopal, NITTTR, Chandigarh, NITTTR, Kolkata and NITTTR, Chennai participated in the Meet. Mr. Yogomay Das was the Overall Coordinator and Mr. S. C. Mukherjee was the Co-coordinator from NITTTR, Kolkata team. The team members of NITTTR, Kolkata won three Gold, four Silver and one Bronze Medals in the Sports Meet. The detail information is as follows:

Table 12: Success Story of Inter-NITTTR Sports Meet

Sl. No.	EVENT	Medal	Winner (s)
1.	Table Tennis (Single)	Gold	Mr. P. D. Siyodia
2.	Table Tennis (Double)	Gold	Mr. Bapi Sadhukhan & Mr. Khokan Mandal
3.	Auction Bridge	Gold	Mr. Ashoke Paul & Mr. Dulal Chandra Naskar
4.	Carrom (Single)	Silver	Mr. Priyotosh Dey
5.	Carrom (Double)	Silver	Mr. Nantu Hazra & Mr. S. C. Bala
6.	Run (100 mtr)	Silver	Mr. Gobardhan Mandal
7.	Chess (Men)	Silver	Mr. Y. Das
8.	Volleyball	Bronze	NITTTR Kolkata Team

LAYING OF ANNUAL REPORT / AUDITED ACCOUNTS FOR THE YEAR 2012-13 ON THE TABLE OF BOTH THE HOUSES OF PARLIAMENT

Annual Reports / Audited Accounts of the Institute for the year 2012-13 were sent to the Ministry of Human Resource Development and the same was laid on the table of both the Houses of Parliament on the dates as indicated hereunder:

Name of the House : Lok Sabha Date on which laid : 10-02-2014

Name of the House : Rajya Sabha Date on which laid : 12-02-2014

EVENTS

National Conference on Recent Trends in Manufacturing Science & Technology on April 18 & 19, 2013

The Department has conducted two-day national conference on "Recent Trends in Manufacturing Science & Technology" from April 18 – 19, 2013 at the Salt Lake campus. The conference was attended by eminent personalities, faculty members and researchers from all over India in the field of Manufacturing Technology. Chief Guest Professor Shauvik Bhattacharyya, Vice Chancellor, Jadavpur University, Kolkata delivered the Inaugural address. Following are the Invited Lectures delivered during the Conference:

- Professor U. S. Dixit, from IIT, Guwahati talked on "Modeling and Optimization of Laser Bending Process".
- Dr. Prakriti Kumar Ghosh from IIT, Roorkee talked on "Advanced Welding Engineering: Key to Achieve Technological Supremacy".
- Dr. B. Bhattacharyya from Jadavpur University talked on "Advanced Hybrid Machining Processes".



Dr. S S Bhattacharyya, VC, JU addressing the gathering in the inaugural session of the National Conference on RTMST-2013 held at NITTR, Kolkata during 18th & 19th, April 2013



Glimpses of various activities of RTMST-2013 (18-19 April, 2013) at NITTR, Kolkata

150th Birth Anniversary of Swami Vivekananda at NITTR, Kolkata on November 07, 2013



On the occasion of 150th Birth Anniversary of Swami Vivekananda, National Institute of Technical Teachers' Training & Research (NITTR), Kolkata organized a Seminar on "Life and Work of Swami Vivekananda" on Thursday, November 07, 2013 from 2 p.m. to 5 p.m. at Mini Auditorium of the Institute. Reverend Senior Monks of Ramkrishna Mission participated in the Seminar. This program was organized keeping with the inspiration of the Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.

The organizing committee of the Seminar comprised of three members: Dr. Anuradha De (Convener), Dr. Sagarika Pal, and Mr. Ashit Kumar Chakraborty. The seminar was coordinated by Dr. Habiba Hussain, and Dr. Urmila Kar.



Celebration of 150th Birth Anniversary of Swami Vivekananda at NITTR, Kolkata on Nov 7, 2013

Around 250 persons participated in the Seminar which included Special Guests, Hon'ble Monks from Ramkrishna Mission, DTE&T of West Bengal, Members of the Faculty & Staff, participants of Short Term Training Programmes, Students of four M. Tech. Courses and other staff of the Institute.

The Welcome Address was delivered by Prof. Sanjay Kumar Bhattacharyya, Director of the Institute. The Swamijis made enriching discourses on various themes related to Swami Vivekananda's "Life and Work" as mentioned here:

- i) Swami Suparnanandaji, Secretary, Ramkrishna Mission Institute of Culture, Golpark on 'Relevance of Swami Vivekananda in Modern India'
- ii) Swami Tattwasaranandaji, Principal, Ramkrishna Mission Sikshanmandira, Belurmata on 'Swamiji's Thoughts on Education'
- iii) Swami Dheyanandaji, Principal, Ramkrishna Mission, Shilpapitha, Belghoria on 'Chicago Mission of Swami Vivekananda'
- iv) Swami Vedatitanandaji, Correspondent, Ramkrishna Mission Shilpamandira, Belurmata, on 'Swamiji on Technical Education'

The audience was enthused through a number of devotional songs rendered by Mr. Susanta Dutta, Surupith, Behala. The Seminar ended with the 'Vote of Thanks' delivered by Dr. Anuradha De. The Seminar helped us reflect & rethink a bit, listen for a while and understand the heart & spirit of a great person, who was born in this city of Kolkata & walked through the streets of this city and guided generation of humanity to live following the path of supreme spirituality.

Visit of Mr. Praveen Prakash, IAS , Jt. Secretary (TEL) , Higher Education Department, Ministry of HRD, Govt. of India on 18th December, 2013

Mr. Praveen Prakash, IAS, Jt. Secretary (TEL), Ministry of HRD, Govt. of India, visited NITTTR, Kolkata on 18.12.2013. Two Skill Development Centres to augment hands-on-practice on 'Welding' and 'CAD-CAM' for polytechnic teachers and instructors were inaugurated by the honourable Jt. Secretary.



PHOTO GALLERY



Prof. S.K. Bhattacharyya, Director, NITTR, Kolkata delivering his inaugural address in the National Conference on RTMST-2013 on 18th April, 2013 at NITTR, Kolkata



Dr.S.K.Mondal, HoD, Mech Engg Dept, NITTR, Kolkata addressing the participants of the Collaborative Skill Development Training Programme on Computer Aided Design (CAD) during July 1-26, 2013 at NITTR, Kolkata



Glimpses of e-Learning Workshop at Guwahati on May 6, 2013 organised by NITTR, Kolkata



20th BOG Meeting of NITTR, Kolkata in progress at the Board Room of NITTR Kolkata on November 12, 2013



BOG meeting in progress - Shri A.K.Saha, Chairman BOG, NITTR, Kolkata, Prof. S.K.Bhattacharyya, Director, NITTR, Kolkata and other Hon'ble board members are seen during the 19th BOG meeting on 14.06.13 in NITTR, Kolkata



Inauguration of Dining Hall, Executive Hostel of the Institute by Sri Arun Kumar Saha, Chairman, BOG, NITTR, Kolkata on June 14, 2013



Director, NITTR, Kol, Course Coordinator & other dignitaries are addressing the gathering in the ICSSR sponsored Intensive Training Prog at NITTR, Kolkata during 09-20 September, 2013



A-View Workshop for North East participants is in progress in the ICC, NITTR, Kolkata on 8.10.13



Celebration of 67th Independence Day



Few important moments of "Rajbhasha Pkhabara Samaroha" captured on 18.09.13 at NITTR, Kolkata



NITTR, Kolkata observing "Vigilance Awareness Week-2013" on October 31, 2013



Celebration of 150th Birth Anniversary of Swami Vivekananda at NITTR-Kolkata on Nov. 7, 2013



Skill Development Training Programme on Computer Fundamentals M.S .Office and Internet under CDTP scheme at Main Centre of Purulia Polytechnic, Purulia, West Bengal



Skill Development Training Programme on Turning under CDTP scheme at Main Centre of Utkalmani Gopabandhu Institute of Engineering, Rourkela, Orissa



Skill Development Training Programme on mobile phones repairs and to use the different types of tools under CDTP scheme at Main Centre Shillong Polytechnic, Shillong, Meghalaya



Fundamental and use of different application at Extension Centre of Madan Laban under CDTP scheme, Shillong Polytechnic, Shillong, Meghalay



STTP on "Exposure on Mat Lab" at Mizoram Polytechnic, Lunglei



STTP on "Exposure on Mat Lab" at NITTTR, Kolkata

List of Short-Term Training Programme (STTP) conducted at NITTTR, Kolkata

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
CIVIL ENGINEERING (CE)								
1	Laboratory Tests for Classification, Determination of Strength and Compressibility Characteristics of Soil	Dr. J. J. Mandal	13.05.2013 (2 Weeks)	24.05.2013		10		10
2	Comprehensive Course on Application of Software in Structural Analysis and Design	Dr. S. Bhanja	10.06.2013 (2 Weeks)	21.06.2013	1	16	1	18
3	Laboratory Test on Concrete Materials and Introduction to Non-Destructive Testing	Mrs. M. Majhi	17.06.2013	21.06.2013		5		5
4	Analysis & Design of Pile Foundations	Dr. J. J. Mandal	24.06.2013	28.06.2013	1	4		5
5	Limit state design of steel structures Part 1	Mrs. M. Majhi	08.07.2013	12.07.2013	3	6		9
6	Earthquake Resistant Design of RCC Buildings	Dr. S. Bhanja	22.07.2013	26.07.2013	1	5	2	8
7	Laboratory Testing of Aggregate, Cement and Concrete	Dr. J. J. Mandal	23.09.2013	27.09.2013	1	3		4
8	Computer Application in Structural Analysis and Design of Buildings including Foundations	Dr. S. Bhanja	21.10.2013	25.10.2013	2	19	1	22
9	Surveying by Total Station	Dr. J. J. Mandal Dr. S. Bhanja	06.01.2014	10.01.2014	9	13		22
10	Preparation of Instruction Sheets for Laboratory Experiments in Civil Engineering	Mrs. M. Majhi	10.02.2014	14.02.2014	2	4	1	7
11	Civil Engineering Drawing using Software	Mrs. M. Majhi	03.03.2014	07.03.2014	1			1
12	Non-destructive and Semi-destructive Testing of Reinforced Concrete Structures	Dr. S. Bhanja	24.03.2014	28.03.2014	2	1	1	4
TOTAL					23	86	6	115
COMMUNITY DEVELOPMENT & RURAL TECHNOLOGY (CDRT)								
13	Operational Problem and Impact Evaluation for MHRD Sponsored CDTP Scheme (<i>for the State of West Bengal, Phase - I</i>)	Dr. U. C. Kumar	08.04.2013	12.04.2013		17		17
14	Operational Problem and Impact Evaluation for MHRD Sponsored CDTP Scheme (<i>for the State of A & N Islands, Bihar, Jharkhand, Meghalaya, Mizoram, Nagaland and Tripura</i>)	Mrs. S. Yadav Rai	08.04.2013	12.04.2013		24		24
15	Operational Problem and Impact Evaluation for MHRD Sponsored CDTP Scheme (<i>for the State of West Bengal, Phase - II</i>)	Dr. U. C. Kumar	22.04.2013	26.04.2013		12		12
16	Operational Problem and Impact Evaluation for MHRD Sponsored PWD Scheme	Mrs. S. Yadav Rai	22.04.2013	26.04.2013		8		8
17	Renewable Energy Sources and Emerging Technologies	Mrs. S. Yadav Rai	29.07.2013	02.08.2013	3	11		14
18	Preparation of Guidelines for Community Colleges	Dr. U. C. Kumar	21.10.2013	25.10.2013	1	14		15
19	Community Development through Technical Institutes	Mrs. S. Yadav Rai	25.11.2013	29.11.2013		4	1	5
20	Power Generation from Energy Resources	Mrs. S. Yadav Rai	16.12.2013	20.12.2013	5	4		9
21	Rain Water Harvesting	Dr. U. C. Kumar	13.01.2014	17.01.2014		7		7
TOTAL					9	101	1	111
COMPUTER SCIENCE & ENGINEERING (CSE)								
22	Element of Soft Computing	Dr. Samir Roy	01/04/2013	05/04/2013	3	2		5
23	Networking Principles	Mr. R. Chatterjee	06.05.2013	10.05.2013	3	6		9
24	Artificial Intelligence	Dr. Samir Roy	20.05.2013 (2 Weeks)	31.05.2013	3	4		7
25	IP Networking	Mr. R. Chatterjee	03.06.2013 (2 Weeks)	14.06.2013	16	14		30

Sl. No	Program Title	Program Co-ordinator(s)	Date		Participants From			
			From	To	Engg	Poly	Others	Total
26	Software Engineering : Quality & Design Issues	Dr. R. Dasgupta & Dr. Samir Roy	17.06.2013 (2 Weeks)	28.06.2013	8	6		14
27	Theory of Internet & Web Page Design	Dr. R. Dasgupta	01.07.2013	05.07.2013	13	4		17
28	Formal Languages & Automata	Dr. Samir Roy	08.07.2013 (2 Weeks)	19.07.2013	18	6	1	25
29	Office Management & Internet	Mr. R. Chatterjee	02.09.2013 (2 Weeks)	13.09.2013	6	28	1	35
30	Topics on Data Structure & Algorithms	Dr. Samir Roy	21.10.2013 (2 Weeks)	01.11.2013	5	15	1	21
31	Multimedia Application & E-learning	Mr. R. Chatterjee	03.02.2014	07.02.2014	3	6		9
32	Introduction to DBMS	Dr. R. Dasgupta	10.02.2014 (2 Weeks)	21.02.2014	6	8		14
TOTAL					84	99	3	186
CURRICULUM DEVELOPMENT CENTRE (CDC)								
33	Development of Competency Based Curriculum in technical courses	Dr. U. Kar Mr. S. K. Naskar	17.06.2013 (2 Weeks)	28.06.2013	1	13	2	16
34	Human Resource Management	Mr. S. K. Naskar	12.08.2013	16.08.2013	2	8		10
TOTAL					3	21	2	26
EDUCATION								
35	Psychology for Teachers	Dr. H. Hussain	27.05.2013	31.05.2013	7	6		13
36	Evaluating Students' Performance	Dr. H. Hussain	03.06.2013 (2 Weeks)	14.06.2013	3	22		25
37	Orientation Programme [for newly Recruited Teachers]	Dr. R. Roy	17.06.2013 (2 weeks)	28.06.2013	1	7		8
38	Developing Research Proposal	Dr. R. Roy	22.07.2013	26.07.2013	1	14		15
39	Improving Teaching Skill	Dr. H. Hussain	26.08.2013	30.08.2013	3	2		5
40	Essentials of Educational Technology	Dr. H. Hussain	25.11.2013	29.11.2013	2	2		4
41	Systemic Research [in Technical Education]	Dr. R. Roy	10.02.2014	14.02.2014	3	11		14
42	Quality Improvement in Classroom Teaching	Dr. H. Hussain	17.03.2014	21.03.2014	7	11		18
TOTAL					27	75		102
EDUCATIONAL PLANNING AND MANAGEMENT (EDPM)								
43	Organizing Staff Training Programme	Dr. S. Chakraborty	24.06.2013	28.06.2013	1	6		7
44	Awareness on ISO 9001:2008 & Total Quality Management in Education Sector	Dr. S. Chakraborty	16.09.2013	20.09.2013		8		8
TOTAL					1	14		15
ELECTRICAL ENGINEERING (EE)								
45	Sensors & Measurement	Dr. S. Pal	13.05.2013	17.05.2013	2	3		5
46	Power Electronics	Dr. S. K. Mandal	27.05.2013	31.05.2013	8	4		12
47	Applications of Microprocessor & Microcontroller	Dr. S. K. Mandal	10.06.2013	14.06.2013	14	11		25
48	Programming with PLC	Dr. S. Pal	24.06.2013	28.06.2013	11	1		12
49	Power System & Protection	Dr. S. K. Mandal	22.07.2013	26.07.2013	8	8		16
50	Electrical Machines	Dr. S. Chattopadhyay	12.08.2013	16.08.2013	2	2		4
51	Experiments on Sensors & Process Control	Dr. S. Pal	26.08.2013	30.08.2013	1	5		6
52	Analog Electronic Devices	Dr. S. K. Mandal	02.09.2013	06.09.2013		9		9
53	Introduction to MATLAB. SIMULINK, Control System and Image Processing Toolbox	Dr. S. Pal	28.10.2013	01.11.2013	4	9		13
54	Digital Circuit Simulation using VHDL and Verilog	Dr. S. K. Mandal	25.11.2013	29.11.2013	4	7		11
55	Electrical Measurement & Signal Conditioning	Dr. S. Pal	02.12.2013	06.12.2013		1		1
56	MATLAB and LABVIEW Applications in Engineering	Dr. S. Chattopadhyay Dr. S. K. Mandal Dr. S. Pal	06.01.2014 (2 weeks)	17.01.2014	15	13		28
TOTAL					69	73		142

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
LEARNING RESOURCES CENTRE (LRC)								
57	Digital Photography	Mr. Y Das Mr. Prasanta Paul Dr. S. Chakrabarty	18.11.2013	22.11.2013		10		10
58	Operation and Maintenance of Office Equipment	Mr. Y Das Mr. S C Mukherjee	17.02.2014	21.02.2014		4		4
TOTAL						14		14
MECHANICAL ENGINEERING (ME)								
59	Welding Processes	Dr. D. Bose & Dr. S. Mandal	10.06.2013 (2 Weeks)	21.06.2013	3	8		11
60	Product Design	Dr. S. Mandal	01.07.2013	05.07.2013	1	4		5
61	Fabrication Techniques	Dr. D. Bose & Dr. S. Mandal	15.07.2013 (2 Weeks)	26.07.2013	4	11		15
62	Machining with CNC Lathe	Mr. N. K. Mandal	29.07.2013	02.08.2013	5	2		7
63	TIG & MIG Welding Processes	Dr. D. Bose	02.09.2013	06.09.2013		2		2
64	Theory & Practices –Turning, Milling & Drilling	Dr. D. Bose & Dr. S. Mandal	28.10.2013 (2 Weeks)	08.11.2013		9		9
65	Computer Aided Drafting for Mechanical Engineering	Mr. N. K. Mandal	18.11.2013	22.11.2013	1	2		3
66	Arc Welding Processes	Dr. D. Bose	09.12.2013 (2 Weeks)	20.12.2013	1	9		10
TOTAL					15	47		62
OFFICE ADMINISTRATION								
67	Modern Office Management	Mr. A. K. Chakraborty	19.08.2013	23.08.2013	27	11	1	39
68	Modern Office Management	Mr. A. K. Chakraborty	04.11.2013	08.11.2013	6	7	8	21
TOTAL					33	18	9	60
SCIENCE (SC)								
69	Exposure on MATLAB	Dr. A. De	20.05.2013 (2 Weeks)	31.05.2013	5	10	1	16
70	Environmental Awareness	Dr. S. N. Mandal	27.05.2013 (2 Weeks)	07.06.2013	4	16	1	21
71	Applied Physics Experiments with Computer Interfacing Kit & Related Software	Dr. A. De	17.06.2013	21.06.2013	1	1		2
72	Package Drinking Water as per IS 14543:2004	Dr. S. N. Mandal	24.06.2013	28.06.2013		7		7
73	Electromagnetic Wave & its Various Applications	Dr. A. De	08.07.2013	12.07.2013	7	4		11
74	Optical Fibre : Characteristics & Applications	Dr. A. De	29.07.2013	02.08.2013	5	3		8
75	Semiconductor Devices & Applications	Dr. A. De	19.08.2013	23.08.2013	5	2		7
76	Drinking Water as per IS 10500: 2012	Dr. S. N. Mandal	23.09.2013	27.09.2013	1	9		10
77	Effluent Characterization as per CPCB 1995 and Effluent Treatment	Dr. S. N. Mandal	28.10.2013	01.11.2013	1	5		6
78	Laser Principles & Devices	Dr. A. De	09.12.2013	13.12.2013	2	4		6
79	Air Pollution	Dr. S. N. Mandal	16.12.2013	20.12.2013	4	10		14
80	Exposure on MATLAB	Dr. A. De	23.12.2013 (2 Weeks)	03.01.2014	21	16	4	41
TOTAL					120	87	6	149
GRAND TOTAL					320	635	27	982

List of Short-Term Training Programme conducted at Bhubaneswar Extension Centre

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
1	Formulation of Action Plan & Impact Evaluation for MHRD Sponsored CDTF Scheme (for the State of Orissa)	Dr. U. C. Kumar	15.04.2013	19.04.2013		17		17
2	Management Principles for Technical Teachers	Mr. S. K. Naskar	20.05.2013	24.05.2013	2	26		28
3	Networking Principles	Mr. R. Chatterjee	15.07.2013	19.07.2013		14		14
4	Entrepreneurship Development Among Students – Role of Polytechnic Teachers	Dr. S. Chakraborty	05.08.2013	09.08.2013		13		13
5	Application of IS:1983 – 2002 in Seismic Resistant Design	Dr. S. Bhanja	23.09.2013	27.09.2013	5	8		13
6	Teaching Methodology	Dr. Habiba Hussain	28.10.2013	01.11.2013	13	12		25
7	Design and Detailing of Reinforced Concrete Structural Elements	Dr. J. J. Mandal	10.02.2014	14.02.2014	1	13		14
8	Laser & Image Processing	Dr. A. De	17.02.2014	21.02.2014	1	10		11
TOTAL					22	113		135

List of Short-Term Training Programme conducted at Guwahati Extension Centre

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
1	Operational Problem and Impact Evaluation for MHRD Sponsored CDTF Scheme	Mrs. S. Yadav Rai	06.05.2013	10.05.2013		11		11
2	Innovative approaches in curriculum design	Dr. U. Kar & Mr. S. K. Naskar	03.06.2013	07.06.2013	10	4		14
3	Institutional Development	Dr. S. Chakraborty	15.07.2013	19.07.2013	2	12		14
4	Computer Application in Structural Analysis and Design of Buildings including Foundations	Dr. S. Bhanja	09.09.2013	13.09.2013	4	6		10
5	Introduction of Soil Dynamics and Earthquake Engineering	Dr. J. J. Mandal	28.10.2013	01.11.2013		8		8
6	Laser & Image Processing	Dr. A. De	27.01.2014	31.01.2014	8	8		16
TOTAL					24	49		73

List of In-House Training Programme

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
1	Innovative Approaches in Curriculum Design (Shillong Polytechnic, Meghalaya)	Dr. U. Kar & Mr. S. K. Naskar	26/08/2013	30/08/2013		33		33
2	ICSSR Sponsored STTP on Research Methodology in Educational Research and Developing Research	Dr. R. Roy	09/09/2013 (2 Weeks)	20/09/2013			35	35
3	Institutional Development (Jalpaiguri Govt. Engineering College, Jalpaiguri)	Mr. S. K. Naskar	16/09/2013 (2 Weeks)	27/09/2013	26	8		34
4	MATLAB Programming (Mizoram Polytechnic, Lunglei)	Dr. A. De	23/09/2013	27/09/2013		25		25
5	Community Development through different Schemes (Institute of textile Technology, Choudwar, Cuttack, Odisha)	Dr. U. C. Kumar	11/11/2013	15/11/2013		42		42
6	Students Performance Evaluation (Nazrul Centenary Polytechnic, Rupnarayanpur, Burdwan, West Bengal)	Dr. H. Hussain	11/11/2013 (2 Weeks)	22/11/2013		24		24
7	Role of Polytechnic for Rural Development through different Schemes (Govt. Polytechnic, Muzaffarpur, Bihar)	Dr. U. C. Kumar	09/12/2013	13/12/2013		40		40
8	Pedagogical Training (Heritage Institute of Technology, Kolkata)	Dr. U. Kar & Dr. H. Hussain	07/01/2014	09/01/2014	20			20
9	Community Development through Technical Institutes (Mizoram Polytechnic, Lunglei)	Mrs. S. Yadav Rai	17/02/2014	21/02/2014		29		29
10	QMS, TQM & OT for Polytechnic Teachers (M.B.C. Institute of Engg. & Technology Sadhanpur, Burdwan)	Dr. U. C. Kumar	24/03/2014	28/03/2014		27		27
11	Training of Guest Facilities engaged for NVEQF Pilot Project (Bilkuli, Chandnagar, Hooghly)	Mr. S. K. Naskar	21/10/2013	25/10/2013			74	74
12	Training of Guest Facilities engaged for NVEQF Pilot Project (Bilkuli, Chandnagar, Hooghly)	Mr. S. K. Naskar	11/11/2013	15/11/2013			78	78
TOTAL					46	228	187	461

List of E-Learning Training Programme (ICT Mode)

Sl. No	Program Title	Program	Date		Participants From			
		Co-ordinator(s)	From	To	Engg	Poly	Others	Total
1	Sensors, Measurement and Signal Conditioning	Dr. S. Chattopadhyay Dr. S. K. Mandal Dr. S. Pal	08/07/2013	12/07/2013		113		113
2	Teaching Control Systems	Dr. U. Kar	15/07/2013	19/07/2013		63		63
3	Concept Teaching in Fluid Mechanics	Dr. D. Bose	19/08/2013	23/08/2013		71		71
4	Teaching Techniques and Student Evaluation	Dr. R. Srinivasan, Dr. R. Roy Dr. H. Hussain	23/09/2013	29/09/2013		139		139
5	Optical Communication	Dr. A. De	28/10/2013	01/11/2013		115		115
6	Internetworking: Principles, Concepts and Applications	Mr. R. Chatterjee	09/12/2013	13/12/2013		91		91
7	Process Control & Automation	Dr. S. Chattopadhyay Dr. S. K. Mandal Dr. S. Pal	16/12/2013	20/12/2013		95		95
8	Development of Competency Based Curriculum in Technical Courses	Dr. U. Kar Mr. S. K. Naskar	03/02/2014	07/02/2014		231		231
9	Environmental Awareness	Dr. S. N. Mandal	17/02/2014	21/02/2014		149		149
10	Renewable Energy Sources and Emerging Technologies	Mrs. S. Yadav Rai	03/03/2014	07/03/2014		142		142
TOTAL						1209		1209

ACCOUNTS

BALANCE SHEET AS AT 31ST MARCH, 2014

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	Current Year (`)	Previous Year (`)
CORPUS / CAPITAL FUND	1	35,83,13,091	32,39,57,975
RESERVES AND SURPLUS	2	-	
EARMARKED / ENDOWMENT FUNDS	3	15,18,204	14,07,045
SECURED LOANS AND BORROWINGS	4	-	
UNSECURED LOANS AND BORROWINGS	5	-	
DEFERRED CREDIT LIABILITIES	6	-	
CURRENT LIABILITIES AND PROVISIONS	7	6,91,13,497	9,07,18,027
TOTAL :		42,89,44,792	41,60,83,047
ASSETS			
<u>FIXED ASSETS</u>			
Gross Value		35,40,21,073	
Less, Depreciation (accumulated)		<u>21,58,09,744</u>	
		13,82,11,329	
Capital work-in progress	8	<u>4,87,22,747</u>	17,74,34,799
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHERS	10	20,00,000	20,00,000
CURRENT ASSETS, LOANS, ADVANCES, ETC.	11	24,00,10,716	23,66,48,248
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)			
TOTAL :		42,89,44,792	41,60,83,047
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

I N C O M E	Schedule	Current Year (`)	Previous Year (`)
Income from Sales / Services	12	-	
Grants / Subsidies	13	9,23,00,000	8,81,30,000
Fees / Subscriptions	14	51,75,300	25,23,889
Income from Investments (Income on Invest from earmarked / endow, Funds transferred to funds)	15	-	-
Income from Royalty, Publication, etc.	16	8,282	13,897
Interest Earned	17	1,77,16,982	2,44,31,009
Other Income	18	27,48,488	38,05,302
Increase / (decrease) in stock of finished goods and works-in-progress	19	-	-
Liabilities Written Back		2,30,34,737	
Differed Income AS-12(Corresponding to Sch-8)		1,48,40,244	
TOTAL (A) :		15,58,24,033	11,89,04,097
<u>EXPENDITURE</u>			
Establishment Expenses	20	8,72,91,845	6,80,31,949
Other Administrative Expenses, etc.	21	3,14,96,584	2,40,01,311
Expenditure on Grants, Subsidies, etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year-end - corresponding to Schedule - 8)	8	1,48,40,244	1,61,19,470
TOTAL (B) :		13,36,28,673	10,81,52,730
Balance being excess of Expenditure over Income (A - B)		2,21,95,360	1,07,51,367
Transfer to Special Reserve		-	-
Transfer to / from General Reserve		-	-
BALANCE BEING SURPLUS / (DEFICIT) CARRIED TO CORPUS/CAPITAL FUND :		2,21,95,360	1,07,51,367
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

SCHEDULE – 1 & 2

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 1 : CORPUS / CAPITAL FUND :				
Balance as at the beginning of the year	32,39,57,975		30,52,06,608	
Add : Contributions towards Corpus/Capital Fund	2,70,00,000		80,00,000	
Add(Deduct) : Deferred Income AS-12	(1,48,40,244)			
Add/(Deduct) : Balance of net income / (expenditure) transferred from the Income and Expenditure Account	2,21,95,360		1,07,51,367	
Balance as at the year-end		35,83,13,091		32,39,57,975
SCHEDULE - 2 : RESERVES AND SURPLUS :				
1. <u>Capital Reserve</u> :				
As per last account				
Add: Addition during the year				
Less: Deductions during the year				
2. <u>Revaluation Reserve</u> :				
As per last account				
Add: Addition during the year				
Less: Deductions during the year				
3. <u>Special Reserves</u> :				
As per last account				
Add: Addition during the year				
Less: Deductions during the year				
4. <u>General Reserve</u> :				
Total :				

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULE: 3

SCHEDULE 3 — EARMARKED / ENDOWMENT FUNDS	DST (Science) (₹)	PDMTVE (₹)	DST (Civil) (₹)	MOD/MECH (II) (₹)	Photonics (II) (₹)	Comp. Lab. (₹)	Total Current Year (₹)
(a) Opening balance of the Funds	3,739	13,12,133	30	36,006	329	54,808	14,07,045
(b) Additions to the Funds							
(i) Donations / grants	-						
(ii) Income from Investments made on account of funds		1,08,251		714		2,214	1,11,179
(iii) Other additions (Receivable from Bank)							
TOTAL (a + b)	3,739	14,20,384	30	36,720	329	57,022	15,18,224
(c) Utilization / Expenditure towards objectives of funds							
(i) Capital Expenditure							
- Fixed Assets							
- Others							
(ii) Revenue Expenditure							
- Salaries, Wages and allowances etc.							
- Rent							
- Other Administrative expenses/Bank charges	-		-	20			
Other deduction							
TOTAL (c)	-		-	20			20
NET BALANCE AT THE YEAR-END (a + b - c)	3,739	14,20,384	30	36,700	329	57,022	15,18,204

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 4 – 6

	Current Year (`)		Previous Year (`)	
SCHEDULE - 4 : SECURED LOANS AND BORROWINGS :	-			
SCHEDULE - 5 : UNSECURED LOANS AND BORROWINGS :	-			
SCHEDULE - 6 : DEFERRED CREDIT LIABILITIES :	-			

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 7

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 7 : CURRENT LIABILITIES AND PROVISIONS :				
A. CURRENT LIABILITIES				
1. Acceptances				
2. Sundry Creditors :				
a) For Goods				
b) Others				
3. Advances Received				
4. Interest accrued but not due on :				
a) Secured Loans / borrowings				
b) Unsecured Loans / borrowings				
5. Statutory Liabilities :				
a) Overdue				
b) Others				
6. Other Current Liabilities				
a) Book Overdraft (SBI)	54,375		27,92,547	
b) Other	83,42,138		68,45,904	
TOTAL (A) :		83,96,513		96,38,451
B. PROVISIONS				
1. For Taxation				
2. Gratuity	2,10,09,708		2,21,70,647	
3. Superannuation / Pension	5,66,680		2,18,78,244	
4. Accumulated Leave Encashment	2,70,17,564		2,75,79,798	
5. Trade Warranties / Claims				
6. Others	1,21,23,032		94,50,887	
TOTAL (B) :		6,07,16,984		8,10,79,576
TOTAL (A + B) :		6,91,13,497		9,07,18,027

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 7(A) : OTHER CURRENT LIABILITIES:				
AICTE		5,46,122		5,46,122
AMOUNT PAYABLE TO NPS		22,8,015		1,99,515
B E COLLEGE		-		3,600
CAUTION MONEY		15,000		15,000
CHEQUE CANCELLATION		15,16,753		10,76,476
CSE / CIM		-		17,374
EARNEST MONEY		4,10,682		4,44,055
ECCS				200
EDCIL		-		7,36,502
EXTENSION ACTIVITY LAB.		9,750		41,347
GSLIS		5,058		21,440
HOSTEL DEPOSIT		-		50
ECSSR		1,07,848		-
INDIAN RAIL		-		11,874
INTERNATIONAL PROGRAMME		-		38,251
ISTE		-		8,080
LAB. OF SCIENCE		1,62,585		1,62,585
M. TECH SCHOLARSHIP (AICTE)		6,08,000		12,85,000
M. TECH SCHOLARSHIP (UGC)		7,70,000		-
M. TECH SCHOLARSHIP (WBMDFC)		14,000		-
MARINE ENGINEERING		-		8,865
NVEQFPP		35,0,512		-
NSOU		-		12,500
OTHER FUNCTIONARY GROUP		-		17,548
PAILAN SCHOOL		-		46,355
PERFORMANCE GUARANTEE		78,928		24,022
PGDIT-CSE		-		35,780
IIW Kolkata				55,000
SAS		-		8,964
SECURITY DEPOSIT(CONTRACTOR)		4,27,718		4,89,241
SECURITY DEPOSIT (LIBRARY)		9,000		9,000
SECURITY DEPOSIT (M. TECH.)		12,30,000		5,90,000
SEMINAR-2006		-		23,900
SPIU		-		6,00,000
STAFF WELFARE CONTRIBUTION		18,52,167		1,93,149
TRACER STUDY		-		99,109
VOCATIONAL COURSE		-		25,000
TOTAL			83,42,138	68,45,904

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULE - 8: FIXED ASSETS:

DESCRIPTION	GROSS BLOCK					DEPRECIATION							NET BLOCK	
	Cost / valuation as at beginning of the year	Cost / valuation as at beginning of the year (Project)	addition during the year	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	As at the beginning of the year (Project)	On Additions during the year	On Additions during the year (Project)	Total Depreciation for the year	On Deductions during the year	Total up to the year-end	As at the Current Year end	As at the Previous Year end
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A. FIXED ASSETS:														
1. <u>LAND:</u>														-
a) Freehold					-								-	-
b) Leasehold	40,48,117	-	-	-	40,48,117	-	-	-	-	-	-	-	40,48,117	40,48,117
2. <u>BUILDINGS:</u>														
a) Residential	3,72,81,524				3,72,81,524	1,64,98,061		10,39,173		10,39,173		1,75,37,234	1,97,44,290	2,07,83,463
b) Office	10,19,79,116		1,80,69,685		12,00,48,801	6,12,04,096		24,90,493		24,90,493		6,36,94,589	5,63,54,212	4,07,75,020
c) Hostel	1,50,50,513	41,05,997	-	-	1,91,56,510	1,15,30,213	13,87,018	3,52,030	2,71,898	6,23,928	-	1,35,41,159	56,15,351	62,39,279
d) Superstructures on Land not belonging to the entity	-		-	-	-	-	-	-	-	-	-	-	-	-
3. <u>PLANT MACHINERY & EQUIPMENT</u>	9,55,48,960	1,50,62,866	46,55,820		11,52,67,646	5,50,04,319	88,64,469	66,25,991	9,29,760	75,55,751		7,14,24,539	4,38,43,107	4,67,43,038
4. <u>VEHICLES</u>	-		-	-	-	-		-	-	-		-	-	-
5. <u>FURNITURE, FIXTURES</u>	1,79,04,590	3,12,914	4,56,133	-	1,86,73,637	1,09,73,161	1,25,134	7,36,381	18,778	7,55,159		1,18,53,454	68,20,183	71,19,209
6. <u>OFFICE EQUIPMENT</u>	-		-	-	-	-		-	-	-		-	-	-
7. <u>COMPUTER / PERIPHERALS</u>	2,75,22,980	15,45,574	12,47,472	-	3,03,16,026	2,53,55,418	15,06,007	19,35,899	23,740	19,59,639		2,88,21,064	14,94,962	22,07,129
8. <u>ELECTRIC INSTALLATIONS</u>	-		-	-	-	-		-	-	-		-	-	-
9. <u>LIBRARY BOOKS</u>	91,70,416	24,985	33,411	-	92,28,812	84,97,259	24,345	4,15,717	384	4,16,101		89,37,705	2,91,107	6,73,797
10. <u>TUBEWELLS & W.SUPPLY</u>	-		-	-	-	-		-	-	-		-	-	-
11. <u>OTHER FIXED ASSETS</u>	-		-	-	-	-		-	-	-		-	-	-
TOTAL OF CURRENT YEAR:	30,85,06,216	2,10,52,336	2,44,62,521	-	35,40,21,073	18,90,62,527	1,19,06,973	1,35,95,684	12,44,560	1,48,40,244	-	21,58,09,744	13,82,11,329	12,85,89,052
PREVIOUS YEAR :	29,20,73,092	2,10,52,336	1,64,33,124	-	32,95,58,522	17,44,20,174	1,04,29,856	1,46,42,353	14,77,117	1,61,19,470	-	20,09,69,500	12,85,89,052	12,82,75,398
B. CAPITAL WORK-IN-PROGRESS:					4,87,22,747								4,87,22,747	4,88,45,747
TOTAL :													18,69,34,076	17,74,34,799

Depreciation is provided on written down value method as per rates specified in the Income Tax Act, 1961.

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

SCHEDULES: 9 - 10

	Current Year (`)		Previous Year (`)	
SCHUDULE - 9 : INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS :		-		
SCHUDULE - 10 : INVESTMENTS - OTHERS :				
Fixed Deposit for Bank Guarantee				
Investment with Axis				
Investment with OBC				
Investment with HUDCO				
Investment with IOB				
Investment with SBI				
Investment with SBI SUROVI				
In Fixed Deposit with HUDCO		20,00,000		20,00,000
TOTAL		20,00,000		20,00,000

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES : 11

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 11 : CURRENT ASSETS, LOANS, ADVANCES, ETC :				
A. CURRENT ASSETS:				
1. <u>Inventories:</u>				
a) Stores and Spares				
b) Loose Tools				
c) <u>Stock-in-trade:</u>				
Finished Goods				
Work-in-progress				
Raw Materials				
2. <u>Sundry Debtors:</u>				
a) Debts Outstanding for a period exceeding six months				
b) Others				
3. <u>Cash balances in hand:</u> (including cheques/drafts and imprest)				
4. <u>Bank Balances:</u>				
a) With Scheduled Banks On Current Accounts:				
Term Deposit Accounts	21,42,99,044		19,17,35,012	
On Savings Accounts	28,59,950	21,71,58,994	28,19,876	
b) With Non-Scheduled Banks :				
On Current Accounts				
On Deposit Accounts				
On Savings Accounts				
5. Grant Receivable			79,82,000	
TOTAL (A) :		21,71,58,994		20,25,36,888

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 11

PARTICULARS	Current Year (Rs.)		Previous Year (Rs.)	
SCHEDULE - 11 : CURRENT ASSETS, LOANS, ADVANCES, ETC :				
B. <u>LOANS, ADVANCES AND OTHER ASSETS:</u>				
1. <u>Loans:</u>				
a) Staff	18,66,808	18,66,808	20,96,633	20,96,633
b) Other Entities engaged in activities / objectives similar to that of the Entity	-			
c) Others				
2. <u>Advances and other amounts recoverable in cash or in kind or for value to be received :</u>				
a) On Capital Account			1,91,19,374	
b) Prepayments	11,48,868		12,05,591	
c) Others	81,04,173	92,53,041	1,08,062	2,04,33,027
3. <u>Income Accrued:</u>				
a) On Investments - Flexi	74,05,918		-	
b) On Investments – HUDCO	7,89,074		6,42,772	
c) On Fixed Deposit – SBI	3,22,065		49,61,113	
d) On Fixed Deposit – AXIS	28,379		33,81,220	
e) On Fixed Deposit – OBC	2,52,370		9,26,932	
f) On Fixed Deposit - IOB	35,840		1,45,345	
g) On Staff loan	2,18,896	90,52,542	-	1,00,57,382
4. <u>Claims Receivable</u>		26,79,331		15,24,318
TOTAL (B) :		2,28,51,722		3,41,11,360
TOTAL (A + B) :		24,00,10,716		23,66,48,248

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 12 - 14

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 12 : INCOME FROM SALES / SERVICES :		-		-
TOTAL :		-		
SCHEDULE - 13 : GRANTS / SUBSIDIES : (Irrevocable Grants & Subsidies Received)				
1) Central Government				9,61,30,000
Plan Recurring	2,00,00,000			
Non Plan Recurring General	1,25,00,000			
Non Plan Recurring Salary	5,70,00,000			
Noarth Eastern	28,00,000	9,23,00,000		
2) State Government(s)	-	-		
3) Government Agencies	-	-		
4) Institutions / Welfare Bodies	-	-		
5) International Organisations	-	-		
6) Others	-	-		
TOTAL :		9,23,00,000		9,61,30,000
SCHEDULE - 14 : FEES / SUBSCRIPTIONS :				
1) Entrance Fees				
2) Annual Fees / Subscriptions	2,300		-	
3) Seminar / Program Fees				
4) Consultancy Fees				
5) Application Fees				25,23,889
6) Course Fees (M. Tech)	42,28,000			
7) Course Fees (Others)	9,45,000	51,75,300		
TOTAL :		51,75,300		25,23,889

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 15 - 16

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 15 : INCOME FROM INVESTMENTS : (Income on Invest. From Earmarked /Endowment Funds transferred to Funds)				
1) <u>Interest:</u>				
a. On Govt. Securities				
b. Other Bonds/Debentures				
2) <u>Dividends:</u>				
a. On Shares				
b. On Mutual Fund Securities				
3) Rents				
4) Others				
TOTAL :				
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS				
SCHEDULE - 16 : INCOME FROM ROYALTY, PUBLICATION, ETC :				
1) Income from Royalty	8,282			13,897
2) Income from Publications	-			
3) Others	-	8,282		
TOTAL :		8,282		13,897

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES : 17 - 18

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 17 : INTEREST EARNED :				
1) On Term Deposits:				
a. With Scheduled Banks	1,53,73,016		2,37,42,820	
b. With Non-Scheduled Banks	-		-	
c. With Institutions	-		2,01,412	2,39,44,232
d. Others - OBC Expansion	14,44,041	1,68,17,057		
2) On Savings Accounts:				
a. With Scheduled Banks	3,24,968		4,53,021	
b. With Non-Scheduled Banks				
c. OBC (OSC)	24,551			
d. Others(Project)	-	3,49,519	(3,269)	4,49,752
3) On Loans:				
a. Employees / Staff	5,50,406	5,50,406		37,025
b. Others	-	--		
4) Interest on Debtors and Other Receivables	-	-		
TOTAL :		1,77,16,982		2,44,31,009
(Note: Tax deducted at source to be indicated)				
SCHEDULE - 18 : OTHER INCOME :				
1) Profit on Sale / Disposal of Assets:				
a. Owned assets				
b. Assets acquired out of grants, or received free of cost				
2) Export Incentives realized				
3) Fees for Miscellaneous Services/Rent				
4) Miscellaneous Income	27,48,488	27,48,488		38,05,302
TOTAL :				38,05,302

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 19 - 20

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 19 : INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS & WORK IN PROGRESS				
SCHEDULE - 20 : ESTABLISHMENT EXPENSES :				
a) Salaries and Wages	6,05,08,713		4,05,28,749	
b) Allowances and Bonus	2,00,332		2,03,787	
c) Employees Other Benefits	25,53,562		22,90,771	
d) Contribution to Other Fund - NPS	5,39,102		10,50,847	
e) Staff Welfare Expenses	-		-	
f) Expenses on Employees' Retirement and Terminal Benefits	19,89,390		31,68,167	
g) Pension	2,10,40,516		2,02,08,295	
h) Others (PDA)	4,60,230	8,72,91,845	5,81,333	6,80,31,949
TOTAL :		8,72,91,845		6,80,31,949

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 21

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 21 : OTHER ADMINISTRATIVE EXPENSES, ETC. :				
a) Purchases				
b) Water Charges	1,51,594		1,41,326	
c) Vehicle Running and Maintenance (Car Rental)	4,25,696		3,27,505	
d) Electricity and Power	45,69,563		37,99,920	
e) Bank charges	24,500		1,404	
f) Operation & Maintenance				
g) Repairs and Maintenance	61,14,120		29,67,148	
h) Staff Development				
i) Stipend				
j) Telephone & Broadband	3,65,360			
k) Postage, Telephone and Communication Charges	2,22,550		4,45,392	
l) Printing and Stationary	4,96,398		3,70,709	
m) Travelling and Conveyance Expenses	17,39,015		13,41,934	
n) Expenses on Seminar / Workshops	7,62,126		5,55,526	
o) Expenses on Fees	4,07,664		3,84,444	
p) Auditors Remuneration	3,49,930		3,11,900	
q) Hospitality Expenses				
r) Professional Charges(Consultants)	12,94,887		11,08,627	
s) Provision for Bad and Doubtful Debts/Advances				
t) Law Expenses	94,410			
u) Advertisement and Publicity	6,87,006		2,23,683	
v) Prior period adjustment	(5,21,945)			
w) Others Specify (Sub Schedule 21A)	1,43,13,710	3,14,96,584	1,20,21,793	2,40,01,311
TOTAL:		3,14,96,584		2,40,01,311

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 21 (A)

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 21 (A) : OTHER ADMINISTRATIVE EXPENSES, ETC. :				
a) Project Expenses		-		-
b) Contractual Staff Salary		49,82,714		29,57,960
c) Internal Audit Fees		2,86,000		2,57,000
d) Security Expenses		9,99,861		9,01,691
e) Hostel Expenses		12,20,561		12,92,848
f) Annual Event		74,173		2,48,877
g) Expert Expenses(NSDL)		-		78,281
h) In-House Training Program		3,10,176		5,27,264
i) Miscellaneous Working Expenses		8,03,563		6,55,066
j) Staff Council		1,55,414		1,74,096
k) STTP		19,83,438		21,13,814
l) STTP (NE)		13,94,614		16,81,511
m) Consumables		19,74,339		9,72,980
n) Staff Development		49,017		81,344
o) Laundry Charges		17,335		18,669
p) Library Periodicals		17,380		15,187
q) Misc. Office Contingencies		23,115		15,202
r) Office Books		16,314		19,330
s) Stipend		5,696		10,673
TOTAL:		1,43,13,710		1,20,21,793

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

SCHEDULES: 22 - 23

PARTICULARS	Current Year (`)		Previous Year (`)	
SCHEDULE - 22 : EXPENDITURE ON GRANTS, SUBSIDIES, ETC :		-		-
SCHEDULE - 23 : INTEREST:				
a) On Fixed Loans		-		-
b) On Other Loans (including Bank Charges)				
c) Others (Interest on NPS)				
TOTAL :		-		-

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED MARCH 31, 2014

R E C E I P T	Current Year `	Previous Year `	P A Y M E N T	Current Year `	Previous Year `
<u>I. Opening Balances</u>			<u>I. Expenses</u>		
a) Cash in Hand	-	-	a) Establishment Expenses	6,20,12,963	5,96,01,843
b) Bank Balances			b) Administrative Expenses	2,49,83,851	1,92,21,171
i) SBI, Salt Lake	(27,92,547)	12,59,338	<u>II. Payments made against Funds for various Projects</u>	2,26,83,290	2,34,78,777
ii) SBI, Guwahati	87,955	13,642	<u>III. Investments and deposits made</u>		
iii) UBI, Salt Lake	15,81,025	15,16,333	a) Out of Earmarked/Endowment Funds	-	-
iv) IOB, Salt Lake	1,96,180	1,75,651	b) Out of Own Funds (Investment Others)	17,62,15,000	8,52,25,752
v) SBI, BBSR	88,890	54,267	<u>IV. Expenditure on Fixed Assets & Capital Work-in-Progress</u>		
vi) Axis Bank	1,67,324	1,59,009			
vii) Project A/c	6,98,502	6,71,353			
<u>II. Grants Received from MHRD</u>			a) Purchase of Fixed Assets	64,60,803	79,81,373
a) Plan Cap	2,70,00,000	80,00,000	b) Expenditure on Capital Work-in-progress	36,51,000	67,87,750
b) Non Plan General	1,25,00,000	75,00,000	<u>V. Refund of Surplus Money/Loans</u>		
c) Non Plan Salary	5,70,00,000	6,25,00,000	<u>VI. Finance Charges (Interest)</u>		
d) Plan Recurring	2,28,00,000	1,01,48,000	<u>VII. Other Payments</u>	98,22,206	1,30,97,188
e) Grant Receivable	79,82,000	2,00,00,000	<u>VIII.</u>		
			<u>IX. Remittance to</u>		
<u>III. Income on Investments from</u>			a) Guwahati Extension Centre	-	
a) Earmarked/Endow. Funds	-		b) Bhubaneswar Extension Centre	-	
b) Own Funds (Other Investment)	-		<u>X. Closing Balances</u>		
<u>IV. Interest Received</u>			a) Cash in Hand	-	
a) On Bank Deposits	3,24,968	4,26,092	b) Bank Balances		
b) On Term Deposit.	81,24,869	74,69,474	i) SBI, Salt Lake	(54,375)	-
c) On Project (OBC)	24,551	14,61,969	ii) SBI, Guwahati	76,084	87,955
			iii) UBI, Salt Lake	16,46,123	15,81,025
<u>V. Other Income</u>	64,67,363	9,40,66,155	iv) IOB, Salt Lake	1,98,633	1,96,180
<u>VI. Amount Borrowed</u>		27,92,547	v) SBI, BBSR	1,32,847	88,890
<u>VII. Any other Receipts</u>	30,14,393		vi) Axis Bank	1,17,002	1,67,324
			vii) Project A/c	6,89,261	6,98,502
<u>VIII. Investment</u>	16,33,69,215				
TOTAL	30,86,34,688	21,82,13,830	TOTAL	30,86,34,688	21,82,13,830

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

NITTR, KOLKATA EXTENSION CENTRE, BHUBANESWAR, ORISSA

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPT	,	PAYMENT	,
Opening Balance SBI, Bhubaneswar Branch	88,890	Provision for Expenses	22,420
Kolkata Office	5,00,000	Bank Charges	-
		Electric Charges	-
		Telephone Rent	5,500
		Consultant Fees	1,80,418
		Contractual Staff Salary	93,186
		Misc. Working	36,256
		STTP Programme	83,263
		STTP Advance	35,000
		Closing Balance SBI, Bhubaneswar Branch	1,32,847
TOTAL	5,88,890	TOTAL	5,88,890

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

NITTR, KOLKATA EXTENSION CENTRE, GUWAHATI, ASSAM

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPT	`	PAYMENT	`
Opening Balance SBI, Guwahati Branch	87,955	Provision for Expenses	41,370
Kolkata Office	10,62,318	Work Shop Expenses	2,15,113
Rent	-	Electric Charges	52,000
		Telephone Rent	5,500
		Consultant Remuneration	1,80,436
		Contractual Staff Salary	3,91,448
		Misc. Working Expenses	32,986
		STTP Programme	1,55,336
		Closing Balance SBI, Guwahati Branch	76,084
TOTAL	11,50,273	TOTAL	11,50,273

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

NORTH EASTERN REGION
BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	CURRENT YEAR (`)	ASSETS	CURRENT YEAR (`)
Capital Grant	10,00,000	Fixed Assets	-
<u>Excess of Income over Expenditure:</u> Opening Balance Rs. -1,30,065 During the Year Rs. <u>3,21,735</u>	1,91,670	Current Assets :	
Current Liabilities / Provision	41,370	SBI Main	11,56,956
		SBI Guwahati	76,084
TOTAL	12,33,040		12,33,040

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

NORTH EASTERN REGION

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

INCOME	CURRENT YEAR (`)	EXPENDITURE	CURRENT YEAR (`)
Plan Rec. Gen	21,84,000	STTP NE	13,94,614
Plan Rec. SC	4,20,000	STTP/ Workshop	3,68,449
Plan Rec. ST	1,96,000	Consultant fees	1,96,936
		Contractual Staff Salary	4,27,780
		Electricity	52,000
		Misc. Working Expenses	32,986
		Provision for expenses	-
		Telephone	5,500
		Excise of Income over Expenditure	3,21,735
TOTAL	28,00,000		28,00,000

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

NORTH EASTERN REGION

RECEIPT & PAYMENT ACCOUNT AS ON 31ST MARCH, 2014

(CONSOLIDATED WITH MAIN A/C & EXTENSION CENTRE, GUWAHATI)

RECEIPT	CURRENT YEAR (`)	PREVIOUS YEAR (`)	PAYMENT	CURRENT YEAR (`)	PREVIOUS YEAR (`)
Opening (Deficit)	(20,97,458)	-	STTP NE	13,77,313	16,18,511
Grant Receivable	19,82,000		STTP/ Workshop	3,70,449	1,26,720
Grant Received:		1,48,000	Consultant fees	1,80,436	1,58,164
Plan Cap. General	7,71,000		Contractual Staff Salary	3,91,448	2,73,570
Plan Cap. SC	1,50,000	-	Electricity	52,000	-
Plan Cap. ST	79,000		Misc. Working Expenses	32,986	29,360
Plan Rec. General	21,84,000	-	Provision for expenses	41,370	36,870
Plan Rec. SC	4,20,000		Telephone	5,500	1,629
Plan Rec. ST	1,96,000	-	Bank Charges	-	634
		-	Closing Balance SBI, Kolkata	11,56,956	-
Deficit	-	20,97,458	SBI, Guwahati	76,084	-
TOTAL	36,84,542	22,45,458		36,84,542	22,45,458

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

OBC EXPANSION

BALANCE SHEET AS AT 31ST MARCH, 2014

CAPITAL FUND & LIABILITIES	CURRENT YEAR (`)	PREVIOUS YEAR (`)
CAPITAL FUND	3,75,46,852	3,60,78,260
RESERVES & SURPLUS		
EARMARKED / ENDOWMENT FUNDS		
CURRENT LIABILITIES & PROVISIONS		
TOTAL	3,75,46,852	3,60,78,260
ASSETS		
FIXED ASSETS	1,81,07,265	1,81,07,265
INVESTMENT	1,85,54,979	1,64,36,376
CURRENT ASSETS, LOANS, ADVANCES , INTEREST ACCRUED ETC.	2,52,370	9,26,932
SBI BANK	6,32,238	6,07,687
TOTAL	3,75,46,852	3,60,78,260

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

OBC EXPANSION

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

		CURRENT YEAR (`)	PREVIOUS YEAR (`)
(A) INCOME			
1.	Grants / Subsidies	-	-
2.	Fees/Subscriptions		-
3.	Income from Investments	14,44,041	14,38,309
4.	Income from Royalty, Publication etc	-	
5.	Interest Earned on Saving Bank	24,551	23,660
6.	Other Income		
TOTAL (A)		14,68,592	14,61,969
(B) EXPENDITURE			
	Establishment Expenses	-	
	Other Administrative Expenses etc	-	
	Expenditure on Grants, Subsidies etc	-	
	Depreciation (Net Total at the year end)	-	
TOTAL (B)		-	
Balance being excess of Income over Expenditure (A – B)		14,68,592	14,61,969
Surplus of Expenditure carried to Capital Fund			

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

OBC EXPANSION PLAN

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE- 1: CAPITAL FUND	CURRENT YEAR (`)	PREVIOUS YEAR (`)
Balance B.F. from the last Year	3,60,78,260	3,46,16,291
Add : Grant		
Add : Bal of income and expenditure account	14,68,592	14,61,969
Balance as at the Year – End	3,75,46,852	3,60,78,260

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

OBC EXPANSION

RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPTS	CURRENT YEAR (`)	PREVIOUS YEAR (`)	PAYMENTS	CURRENT YEAR (`)	PREVIOUS YEAR (`)
Cash at Bank	6,07,687	5,84,027	Equipment	-	
Interest on Saving Bank	24,551	23,660	Building (Adv to CPWD)	-	
Interest on Investment	21,18,603	14,36,376			
Investment	1,64,36,376	1,50,00,000			
Grant-in-aid			Furniture	-	
			Investment	1,85,54,979	1,64,36,376
			Closing Balance		
			Cash at Bank	6,32,238	6,07,687
TOTAL	1,91,87,217	1,70,44,063	TOTAL	1,91,87,217	1,70,44,063

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

EMPLOYEES PROVIDENT FUND ACCOUNT

BALANCE SHEET AS AT 31ST MARCH, 2014

CAPITAL FUND AND LIABILITIES	CURRENT YEAR (`)	PREVIOUS YEAR (`)
CAPITAL FUND	4,48,35,366	3,99,90,487
RESERVES AND SURPLUS	20,78,332	18,07,860
EARMARKED /ENDOWMENT FUNDS	-	-
SECURED LOANS AND BORROWINGS	-	-
CURRENT LIABILITIES AND PROVISIONS	-	-
TOTAL	4,69,13,698	4,17,98,347
ASSET		
FIXED ASSETS	-	-
INVESTMENTS	4,11,56,339	3,86,84,579
INVESTMENTS – OTHERS	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.		
ACCRUED INTEREST	45,24,231	26,10,140
BANK BALANCE	9,76,418	1,73,997
ADV. TO EMPLOYEES	2,56,710	3,29,631
MISCELLANEOUS EXPENDITURE (to the extent not write nor adjusted)	-	-
TOTAL	4,69,13,698	4,17,98,347

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

EMPLOYEES PROVIDENT FUND

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

INCOME	CURRENT YEAR (`)	PREVIOUS YEAR (`)
Grants/Subsidies		
Fees/Subscriptions	-	
Interest from Investments (Interest on Term Deposit)	38,42,591	33,51,493
Income from Royalty, Publication etc	-	
Interest Earned(Savings account)	37,482	50,253
Other Income	-	-
TOTAL (A)	38,80,073	34,01,746
EXPENDITURE		
Establishment Expenses	-	
Other Administrative Expenses, Bank Charges etc	-	100
Expenditure on Grants, Subsidies etc.	-	
Interest	36,09,601	29,80,875
Depreciation (Net Total at the year-end - corresponding to Schedule8)	-	-
TOTAL (B)	36,09,601	29,80,975
Balance being excess of Income over Expenditure(A-B) Transfer to Special Reserve (Specify each) Transfer to / from General Reserve	2,70,472	-
Balance Being Surplus/(Deficit) Carried To Capital Fund	2,70,472	4,20,771

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

EMPLOYEES PROVIDENT FUND

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE- 1: CAPITAL FUND	CURRENT YEAR (`)	PREVIOUS YEAR (`)
<i>Employees Subscription</i>		
Balance B.F. from the last Year	3,99,90,487	3,28,27,252
Add :During the Year Subscription	78,52,550	82,46,144
Add :Interest on Subscription	36,09,601	29,80,875
Less: Paid towards Final Withdrawal	66,17,272	40,63,784
Balance as at the Year – End	4,48,35,366	3,99,90,487
SCHEDULE 2 - RESERVES & SURPLUS		
<i>Capital Reserve</i>		
As per last Account	18,07,860	13,87,089
During the year	2,70,472	4,20,771
TOTAL	20,78,332	18,07,860

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

EMPLOYEES PROVIDENT FUND ACCOUNT

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPT	CURRENT YEAR (`)	PREVIOUS YEAR (`)	PAYMENT	CURRENT YEAR (`)	PREVIOUS YEAR (`)
Cash at Bank	1,73,997	14,04,231	PF Advance to Staff	3,17,710	5,42,182
PF Subscription	78,52,550	82,46,144			
PF Advance recoveries	1,86,611	5,69,621	Investment	1,36,39,389	3,556,3,466
Investment	11167629	2,52,72,815	Bank Charges	-	100
Interest on Savings a/c	37,482	-			
Interest on Investment	19,28,500	48,50,718	Part/ Final Withdrawal	64,13,252	40,63,784
			Cash at Bank	9,76,418	1,73,997
TOTAL	2,13,46,769	4,03,43,529		2,13,46,769	4,03,43,529

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

NEW PENSION SCHEME
BALANCE SHEET AS AT 31ST MARCH, 2014

CAPITAL FUND AND LIABILITIES	CURRENT YEAR (`)	PREVIOUS YEAR (`)
LIABILITIES		
CAPITAL BALANCE	67,90,860	59,76,915
INCOME		
OPENING BALANCE- 5,98,914		
ADD: CURRENT YEAR- <u>74,918</u>	6,73,832	-
CURRENT LIABILITIES AND PROVISIONS		
PAYABLE TO MAIN A/C	10,78,926	10,85,099
TOTAL	85,43,618	55,83,564
ASSETS		
FIXED ASSETS	-	-
DEPOSIT(NSDL)	67,32,358	53,25,572
INVESTMENTS – OTHERS	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.		
RECEIVABLE FROM MAIN A/C	2,28,015	1,99,515
BANK BALANCE	15,83,245	15,36,927
MISCELLANEOUS EXPENDITURE (to the extent not write nor adjusted)	-	-
TOTAL	85,43,618	70,62,014

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

NEW PENSION SCHEME

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

B) INCOME		CURRENT YEAR (`)	PREVIOUS YEAR (`)
1.	Giants/Subsidies	-	
2.	Fees/Subscriptions	-	
3.	Interest from Investments (Income on Invest. from earmarked/ endow Funds transferred to Funds)	74,918	-
4.	Income from Royalty, Publication etc	-	-
5.	Interest Earned	-	2,04,357
6.	Other Income(Receivable from main account)	-	-
TOTAL (A)		74,918	2,04,357
EXPENDITURE			
1.	Establishment Expenses	-	-
2	Other Administrative Expenses etc	-	150
3.	Expenditure on Grants, Subsidies etc.	-	-
4.	Interest	-	-
5.	Depreciation (Net Total at the year-end - corresponding to Schedule8)	-	-
TOTAL (B)		-	150
Balance being excess of Income over Expenditure (A-B) Transfer to Special Reserve (Specify each) Transfer to / from General Reserve		74,918	-
Balance Being Surplus/(Deficit) Carried To Capital Fund		74,918	2,04,207

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

NEW PENSION SCHEME

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

SL. No.	RECEIPT	CURRENT YEAR (`)	PREVIOUS YEAR (`)	SL. No.	PAYMENT	CURRENT YEAR (`)	PREVIOUS YEAR (`)
1.	Cash at Bank:	-	-	1.	LSPC	7,172	-
	BOI	15,05,684	52,47,711		Deposit to NSDL	14,06,786	53,25,572
	SBI	31,243	1,000		Excess contribution	-	626
2.	Pension Sub- scription (employee)	6,92,179	23,45,624	2.	Employees contribution LSPC	-	7,172
3.	Pension Contribu- tion (employer)	6,92,179	-	3.	Bank Charges	-	150
4.	Payable to Main A/c	1,000	-	4.	GPF Subscription	-	10,77,927
5.	Interest on Saving Bank	74,918	2,04,357	5.	Employer Contribution	-	-
6.	Reserve & Surplus	-	-	6.	Interest paid	-	1,13,587
7.	GSLIS	-	14,344	7.	Closing Balance at Bank-		
8.	GPF	-	-		BOI	1,000	15,05,684
9.	Arrear Interest	-	2,48,925		SBI	32,506	31,243
					Axis	15,49,739	-
	TOTAL	29,97,203	80,61,335			29,97,203	80,61,335

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

DST RESEARCH PROJECT (SCIENCE)
BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	`	ASSETS	`
Capital Fund	67,970	Non-Recurring Equipment	64,231
		Accrued Interest	
		Cash at Bank (Main A/c, SBI, Salt Lake)	3,739
TOTAL	67,970	TOTAL	67,970

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

PDMTVE

BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES		ASSETS		
Capital Fund	24,50,833	Equipment		11,38,700
Add, Income over Expenditure	1,08,251			
		Accrued Interest	1,08,251	
		Investment with SBI flaxi	<u>13,12,133</u>	14,20,384
		Cash at Bank (SBI, Salt Lake Branch, Main A/c)		
TOTAL	25,59,084	TOTAL		25,59,084

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

PDMTVE

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2014

EXPENDITURE	`	INCOME	`
		Interest	1,08,251
Income over Expenditure	1,08,251		
TOTAL	1,08,251	TOTAL	1,08,251

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

MODERNISATION OF PHOTONICS LABORATORY – (I)

BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	`	ASSETS	`
Capital fund	7,70,448	Equipment	12,82,448
Transferred from Photonic-I	5,12,000		
TOTAL	12,82,448	TOTAL	12,82,448

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

DST RESEARCH PROJECT (CIVIL)
BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	`	ASSETS	`
Capital Fund	4,50,165	<u>Non-Recurring</u>	
		Equipment	4,26,294
		Books & Journals	23,841
		Closing Balance	
		Cash at Bank	30
		(Main A/c, SBI, Salt Lake)	
TOTAL	4,50,165	TOTAL	4,50,165

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

**MODERNISATION OF MECHANICAL ENGG
(MOD MECH-II)**

BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	,	ASSETS	,
Capital Fund: As per last account Rs.8,76,490 Add, Net Income <u>Rs. 694</u>	8,77,184	Equipment	8,40,484
		Receivable from IOB	36,700
		Cash at Bank (IOB, Salt Lake Branch)	-
TOTAL	8,77,184	TOTAL	8,77,184

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

**MODERNISATION OF MECHANICAL ENGG.
(MOD MECH-II)**

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2014

EXPENDITURE	`	INCOME	`
Bank Charges	20	Interest on Saving Bank	714
Surplus of income over expenditure	694		
TOTAL	714	TOTAL	714

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

**MODERNISATION OF MECHANICAL ENGG.
(MOD MECH-II)**

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPT	`	PAYMENT	`
Opening Balance (IOB)	36,006	Bank Charges	20
Interest on saving Bank	714	Receivable from IOB	36,700
		Cash at Bank (IOB)	-
TOTAL	36,720	TOTAL	36,720

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

MODERNISATION OF PHOTONICS LABORATORY – (II)

BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	`	ASSETS	`
Capital Fund	8,00,000	Transferred to Photonic Lab.1	5,12,000
		Equipment	3,25,860
Surplus of income over expenditure	38,860	Closing Balance	
		Cash at Bank (IOB, Salt Lake Branch) (Main Account)	
TOTAL	8,38,860	TOTAL	8,38,860

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

MODERNISATION OF COMPUTER LAB
BALANCE SHEET AS AT 31ST MARCH, 2014

LIABILITIES	`	ASSETS	`
Capital 15,53,076		Equipment	14,98,268
Surplus <u>2,214</u>	15,55,290		
		Cash at Bank	57,022
TOTAL	15,55,290	TOTAL	15,55,290

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director

MODERNISATION OF COMPUTER LAB

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

RECEIPT	`	PAYMENT ACCOUNTS	`
To Opening Balance	54,808	By Cash at Bank (SBI, Salt Lake)	57,022
To Receive the Int. on Saving Bank Account	2,214		
TOTAL	57,022	TOTAL	57,022

**Sd/-
(S. Dey)
Accountant**

**Sd/-
(Faculty-in-Charge)
Accounts**

**Sd/-
(Phalguni Gupta)
Director**

ACCOUNTING PRINCIPLES

SCHEDULE 24- SIGNIFICANT ACCOUNTING POLICIES

1. ACCOUNTING CONVENTION

- a) The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.
- b) This Institute financed by the Govt. of India, Ministry Human Resource Development receives grants and compiles the accounts with proper Schedules:
 - Balance Sheet
 - Income and Expenditure Account
 - Receipts and Payments Account.

2. INVESTMENTS

- 2.1 Investments classified as " long term investments" are carried at cost. Provision for decline, other than temporary, is made in carrying cost of such investments.
- 2.2 Investments classified as " current" are carried at lower of cost and fair value. Provision for shortfall on the value of such investments is made for each investment considered individually and not on a global basis.
- 2.3 Cost includes acquisition expenses like brokerage, transfer stamps.

3. FIXED ASSETS

1. Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties and taxes and incidental and direct expenses related to acquisition. In respect of projects involving construction, related pre-operational expenses, form part of the value of the assets capitalized.

4. DEPRECIATION

- 4.1 Depreciation is provided on written down value method as per rates specified in the Income tax Act, 1961.

Fixed Assets	Rate of Depreciation
Residential Building	5%
Office Building	5%
Hostel Building	10%
Plant & Machinery	15%
Furniture & Fixtures	10%
Computer & Peripherals	60%
Library Books	60%

4.2 The corresponding amount of current depreciation is deemed as deferred income and deducted from current capital fund as per guidelines specified in AS-12 relating to Accounting Treatment of Government Grant.

5. GOVERNMENT GRANTS/SUBSIDIES

5.1 Government grants of the nature of contribution towards capital cost of setting up projects are treated as Capital Fund.

5.2 Grants in respect of specific fixed assets acquired are shown as a deduction from the cost of the related assets.

5.3 Government grants/subsidy are accounted on accrual basis.

6. RETIREMENT BENEFITS

6.1 Gratuity paid on Death/Retirement of Employees on cash basis.

7.1 Different Project are shown below:

- 1) DST Research Project (Science)
- 2) PDMTVE
- 3) Modernization of Photonics Laboratory – I
- 4) DST Research Project (Civil)
- 5) Modernization of Mechanical Engg. (MOD/MECH II).
- 6) Modernization of Photonics Laboratory – II
- 7) Computer Laboratory

7.2 Projects.

- 1) All projects accounts and Extension Centres are merged with and shown in the accounts of the institute.
- 2) Term Deposit Account (Sch - 11) include Rs. 13,12,133.00 of Project PDMTVE.
- 3) Accrued Interest on Investment (Sch-11) include Rs. 1,08,251.00 of Project PDMTVE.
- 4) Balances with Scheduled Banks (Sch 11) include Rs. 4,097 of following Projects.
 - DST (Civil) – Rs. 30.00
 - DST (Science) – Rs.3,739.00
 - Photonics – 329.00

7.3 Accounts of every Project are shown.

7.4 Accounts in respect of Employees Provident Fund is enclosed.

7.5 Accounts in respect of New Pension Scheme is enclosed.

7.6 Accounts in respect of OBC Expansion is enclosed.

SCHEDULE 25- CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. CONTINGENT LIABILITIES

1.1 Claims against the Institute not acknowledged as debts- Rs. Nil (Previous year Rs. Nil)

1.2 In respect of :

- Bank guarantees given by/on behalf of the Institute Rs. 14,81,234 (Previous year Rs. 14,81,234)
- Letters of Credit opened by Bank on behalf of the Institute Rs. Nil (Previous year Rs. Nil)
- Bills discounted with banks - Rs. Nil (Previous year Rs. Nil)

1.3 Disputed demands in respect of :

- Income tax - Rs. Nil (Previous year Rs. Nil)
- Sales tax - Rs. Nil (Previous year Rs. Nil)
- Municipal taxes - Rs. Nil (Previous year Rs. Nil)

1.4 In respect of claims from parties for non-execution of orders, but contested by the Institute - Rs. Nil (Previous year Rs. Nil)

2. CAPITAL COMMITMENTS

- Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances) - Rs. Nil (Previous year Rs. Nil)
- Value of contract executed by PWD on capital account but payment not made is accounted for in the accounts as ascertained liability

3. LEASE OBLIGATIONS

Future obligations for rentals under finance lease arrangements for plant and machinery amount to - Rs. Nil (Previous year Rs. Nil)

4. CURRENT ASSETS, LOANS AND ADVANCES

In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

5. TAXATION

In view of there being no taxable income under section 10(23iiiab) of Income Tax Act,1961, no provision for Income tax has been considered necessary.

This Institute is exempted from T.D.S. against Income of this Institute including Fees/Charges received from the parties.

FOREIGN CURRENCY TRANSACTIONS

(Amounts- Rs)

	<u>Current year</u>	<u>Previous year</u>
5.1 Value of Imports calculated on C.I.F Basis:		
- Purchase of finished Goods		
- Raw Materials & Components (Including in transit)	Nil	Nil
- Capital Goods		
- Stores, Spares and Consumables		
5.2 Expenditure in foreign currency:		
a. Travel		
b. Remittances and Interest payment to Financial Institutions/ Banks in Foreign Currency	Nil	Nil
c. Other expenditure:		
- Commission on Sale		
- Legal and professional Expenses		
- Miscellaneous Expenses		
5.3 Earnings:		
- Value of Exports on FOB basis		

5.4 Remuneration to auditors:		
As auditors:	3,49,930/-	3,11,900/-
- Taxation matters		
- For Management services	Nil	Nil
- For certification		
Others		

- Figures have been rounded off to the nearest rupee.
- Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.
- This Institute has two Extension Centres, one in Guwahati, Assam and other in Bhubaneswar, Orissa. Both Centres are financed by the Institute.
- Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2014 and the Income and Expenditure account for the year ended on that date.

Sd/-
(S. Dey)
Accountant

Sd/-
(Faculty-in-Charge)
Accounts

Sd/-
(Phalguni Gupta)
Director



भारतीय लेखां तथा लेखा-परीक्षा विभाग
महा निदेशक, लेखा-परीक्षा का कार्यालय,
केन्द्रीय, कोलकाता

**INDIAN AUDIT AND ACCOUNTS DEPARTMENT
OFFICE OF THE DIRECTOR GENERAL OF AUDIT,
CENTRAL, KOLKATA.**

SPEED POST

No: OA II (AB)/AR/2013-14/NITTTTR/ 273

Date: 19-09-2014

22 SEP 2014

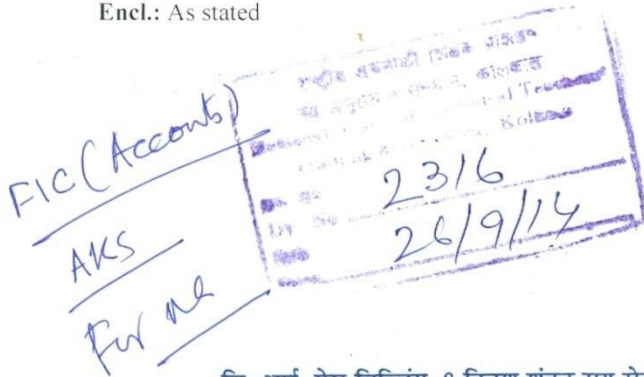
A copy of the Separate Audit Report alongwith Annexure on the accounts of **National Institute of Technical Teachers' Training and Research**, for the year 2013-14 is forwarded to the **Director, National Institute of Technical Teachers' Training and Research, Block FC, Sector-III, Salt Lake, Kolkata 700106**, for information and necessary action.

Arrangement may please be made for preparation of Hindi Version of the Separate Audit Report with Annexure at your end and sending the same directly to the Ministry.

It may please be ensured that the Audited Accounts and the Separate Audit Report along with Annexure are placed before the apex body for consideration and adoption before the same are sent to the Government for being placed in Parliament.

Two copies of the printed Annual Report for the year 2013-14 (both English and Hindi Version) containing the Audited Accounts and the Separate Audit Report along with Annexure, as laid before Parliament, may please be forwarded to this office for necessary action at this end.

Encl.: As stated



19/9/14
Dy. Director (I)

जि. आई. प्रेस बिल्डिंग, 8 किरण शंकर राय रोड (1म मंजिल), कोलकाता - 700001
Govt. of India Press Building, 8, Kiran Sankar Roy Road, Kolkata - 700001
Phone : 2254-0221, (Gram : ACCOUNTCENT) Post Box : 2699, Fax No. : 033 22135377



सत्यमेव जयते

भारतीय लेखा तथा लेखा-परीक्षा विभाग
महा निदेशक, लेखा-परीक्षा का कार्यालय,
केन्द्रीय, कोलकाता

INDIAN AUDIT AND ACCOUNTS DEPARTMENT
OFFICE OF THE DIRECTOR GENERAL OF AUDIT,
CENTRAL, KOLKATA.

No: OA II (AB)/AR/2013-14/NITTR/ 272

Date: 19-09-14

To
The Secretary,
Ministry of Human Resource Development,
Government of India,
Department of Secondary Education & Higher Education, Shastri Bhavan,
New Delhi - 110001

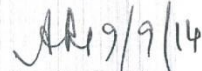
Subject: Separate Audit Report on the accounts of *National Institute of Technical Teachers' Training and Research Kolkata* for the year 2013-14

Sir,

I am to forward herewith the Separate Audit Report in the prescribed format introduced by the C & A.G of India on the accounts of *National Institute of Technical Teachers' Training and Research, Kolkata* for the year 2013-14. A copy of the annual accounts of the organisation for the year 2013-14 is also enclosed.

2. Two copies of Separate Audit Report (both English and Hindi Version), as may be presented before Parliament, may please be forwarded to this office for necessary action at this end.
3. The dates of laying the audited accounts and the Separate Audit Reports for the year 2013-14 on the Tables of both the Houses of Parliament may also please be communicated to this office.

Yours faithfully,


(A. Roychoudhury)
Director General of Audit
Central: Kolkata

Encl.: As stated

जि. आई. प्रेस बिल्डिंग, 8 किरण शंकर राय रोड (1म मंजिल), कोलकाता - 700001
Govt. of India Press Building, 8, Kiran Sankar Roy Road, Kolkata - 700001
Phone : 2254-0221, (Gram : ACCOUNTCENT) Post Box : 2699, Fax No. : 033 22135377

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technical Teachers' Training and Research, Kolkata for the year ended 31 March 2014

We have audited the attached Balance Sheet of the National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata as at 31 March 2014, the Income and Expenditure account and Receipts and Payments Account for the year ended on that date under Section 20(1) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971. The audit has been entrusted for the period upto 2017-18. These financial statements include the accounts of two Extension Centers of the Institute. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

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

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and

significant estimates made by the 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 and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Finance.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the National Institute of Technical Teachers' Training and Research, Kolkata as required under the rules and regulations of the NITTTR in so far as it appears from our examination of books.
- iv. We further report that

A. Balance Sheet:

1.1. Liabilities

1.1.1. Corpus Fund (Schedule 1): ₹358.31 lakh

The above fund balance included the unspent balance of ₹ 318.88 lakh (Plan ₹ 221.94 lakh and Non-Plan ₹ 96.94 lakh) at the end of the year 2013-14 as disclosed in the Utilisation Certificate furnished to the Ministry. As per the Utilisation Certificate the Institute had to surrender the unspent balance or to adjust the balance with the grants-in-aid payable during the year 2014-15. Since the unspent balance of ₹ 318.88 lakh was to be surrendered or adjusted, that amount should have been shown as liability instead of being exhibited under Corpus Fund. Despite mention in previous year's management letter, non provision of liability had resulted in understatement of Current Liability and

Provision and overstatement of Corpus Fund by ₹ 318.88 lakh at the end of 2013-14.

1.1.2. Current Liabilities and Provisions (Schedule-7A)

Other Liabilities ₹ 83.42 lakh

The amount above included old liabilities of ₹ 16.97 lakh pertaining to the year 2011-12 and those liabilities were not required to be continued in absence of claimant. This excess booking of liabilities should have been written back as income of the Institute. Not writing back of liabilities no longer required had resulted in overstatement of Current Liabilities and Provisions and understatement of Capital Fund by ₹ 16.97 lakh at the end of 2013-14.

1.2. Assets

1.2.1 Fixed Assets 'Capital work-in-progress' (Schedule 8): ₹ 488.23 lakh

Despite mention in previous year's Audit Report the Institute had not taken any step to adjust/capitalise the value of work-in-progress of ₹ 42.63 lakh which was completed and put to use. This resulted in overstatement of Capital Work-in-progress and understatement of Fixed Assets by ₹ 42.63 lakh at the end of 2013-14.

B. Income and Expenditure Account

2.1 Expenditure

2.1.1 Othere Administratve Expenses (Schedule-21) ₹ 314.97 lakh

An amount of ₹16.00 lakhs had been shown under Current Assets, Loans and Advances as old dues receivable from different banks, pension scheme and an account of pre-payments. As the scope of recovery of the dues became remote, necessary provision for Bad & Doubtful debts should have been made.

Non-provision for Bad & Doubtful debts had resulted in understatement of Other Administrative Expenses by ₹16.00 lakhs and overstatement of surplus of the year by same amount.

2.2 Income

2.2.1 Interest Earned (Schedule-17) ₹ 177.17 lakh

The above head of income included interest income of ₹14.69 lakh kept in Term Deposit and Savings Bank Account in respect of OBC Project Fund. Since, the interest income was related to OBC Project, that amount should have been shown under Project head only instead of Institute's Main Account. Accounting of interest earned on Project Fund as own income had resulted in overstatement of income in Main Account which further resulted in overstatement of surplus by ₹14.69 lakh at the end of 2013-14.

C. Other Accounts

3.1 Employees Provident Fund Account

3.1.1 Employees Provident Fund- Balance Sheet –Investment: ₹ 411.58 lakh

Out of the above total investment, the amount of ₹ 77.36 lakh (being 18.8%) and ₹ 334.22 lakh (being 81.2%) was invested in HUDCO and SBI respectively. Despite mention in earlier Audit Report (2012-13), the Institute had not followed the pattern of investment prescribed by the Government of India, Ministry of Finance, effective from 14 August 2008 for investment of provident funds.

3.1.2 The NPS Balance Sheet attached to the main account exhibited total Assets and Liabilities of ₹ 85.43 lakh. Since NPS liabilities to be disposed of by remitting the Fund balance to NSDL, the Institute should dispose of both the Liabilities and Assets balances by remitting and disbursing liabilities fund and bank balance respectively to the appropriate head.

D. General

The fact that in compliance to the Provisions of AS-12, the Institute had changed its Accounting Policy and had withdrawn ₹148.40 lakhs being the amount of depreciation provided on assets created out of Government grant, thereby the Income as well as surplus of the year had been increased by ₹148.40 lakhs had not been disclosed.

E. Grants-in-aid

The Institute is mainly financed by the grants from the Government of India. During the year 2013-14, the Institute had received total grants of ₹ 4.60 crore (Plan Recurring ₹ 2.00 crore and Plan Capital ₹ 2.60 crore) and Non-Plan ₹ 7.55 crore (Non-Plan Salary ₹ 5.70 crore and Non-Plan Non-Salary ₹ 1.85 crore) both under Plan and Non-Plan heads.

Out of the total grants of ₹ 12.15 crore, the Institute had spent ₹ 11.78 crore (Plan ₹ 3.54 crore and Non-Plan ₹ 8.24 crore) leaving an overall unspent balance of ₹ 0.37 crore (Plan expenditure ₹ 1.06 crore and an excess expenditure under Non-Plan ₹ 0.69 crore.)

Besides above, the Institute had received NE grants of ₹ 0.58 crore (Plan NE ₹0.10 crore and Non-Plan NE ₹ 0.48 crore) and had spent ₹ 0.27 crore under NE Recurring head and no expenditure was incurred against NE Plan (Capital) grant. Thus there was an unspent balance of ₹ 0.31 crore under NE grant.

F. Net Effect

The net impact of the comments given in the preceding paragraph is that excess of income over expenditure was overstated by ₹30.69 lakh for the year ended 31 March, 2014.

.G. Management Letter

Deficiencies not included in the Audit Report have been brought to the notice of the Director, NITTTR, Kolkata through a management letter issued separately for remedial/corrective action.

iv. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.

v. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report, give a true and fair view in conformity with accounting principles generally accepted in India.

a. in so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technical Teachers' Training and Research, Kolkata as at 31 March 2014 and

b. in so far as it relates to Income and Expenditure Account of the surplus for the year ended on that date.

For and on behalf of the C&AG of India

Place:-Kolkata
Date:- 19 - 09 - 14


(A. Roychoudhury)
Director General of Audit
Central :: Kolkata

Annexure

A. Internal Audit

Internal Auditing System is adequate with some minor deficiencies which requires to be rectified in ensuing year

- 1.1 Internal audit was conducted by engaging an Chartered Firm
- 1.2 No spot check or audit was conducted by Head office over branches.

B Adequacy of Internal Control System

- 2.1 Fixed Assets under construction were not separated by job number.
- 2.2 The accounts of the Institute are not codified.
- 2.3. The general ledger did not contain all transactions.
- 2.4 Register of Fixed assets is not in accordance with GFR-40.
- 2.5 Fixed Assets were not insured against unforeseen calamities.
- 2.6 Delay payment of TDS (Income Tax) attracted penalty.

C Physical Verification of Assets

- 3.1 Physical Verification of Assets was conducted in 2013-14

D Statutory Liabilities- Nil.

Obituary: Dr. Raghupati Srinivasan



Late Dr. Raghupati Srinivasan was Professor & Head of the Department of Education of the Institute. He died on November 18, 2013. The Institute lost an academic personality because of his untimely death. He was a faculty in NITTTR, Chennai, before joining NITTTR,K in 2002. He had a vast working experience in the area of teachers' training & educational research. His memory was very sharp, he could narrate various information instantaneously. Other than his departmental activities, he took responsibilities like, Faculty-in-Charge of Accounts, Chairman of PG, Committee and Head of Electrical department. A person of good nature, he never hesitated to extend help to fellow members of Faculty and Staff whenever called for.



NITTTR Kolkata Extension Centre
Guwahati
Girls' Polytechnic Campus,
Bamuni Maidan
Guwahati-781 021
Assam
Tel/Fax: (0361) 2652344

NITTTR, Kolkata
Block-FC, Sector-III
Salt Lake City, Kolkata – 700 106
Tele/Fax: (033) 2358-7442
PBX: (033) 2337-0479/4125
Fax: (033) 2337-6331
Visit us of :
www.nittrkol.ac.in
Email: academicnittr@yahoo.com



NITTTR Kolkata Extension Centre
Bhubaneswar
Government Polytechnic Campus
Chandrasekharpur
Bhubaneswar-751 023
Odisha
Tel/Fax: (0674) 2300776
Email: nittrbbsr2000@gmail.com



NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA
(Established by the Ministry of Human Resource Management, Govt. of India)
Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106
Tel.: 91 33 2337 0937 (Director) / 0479 / 4125
Fax: 91 2337 6331
e-mail: director@nittrkol.ac.in
Website: www.nittrkol.ac.in