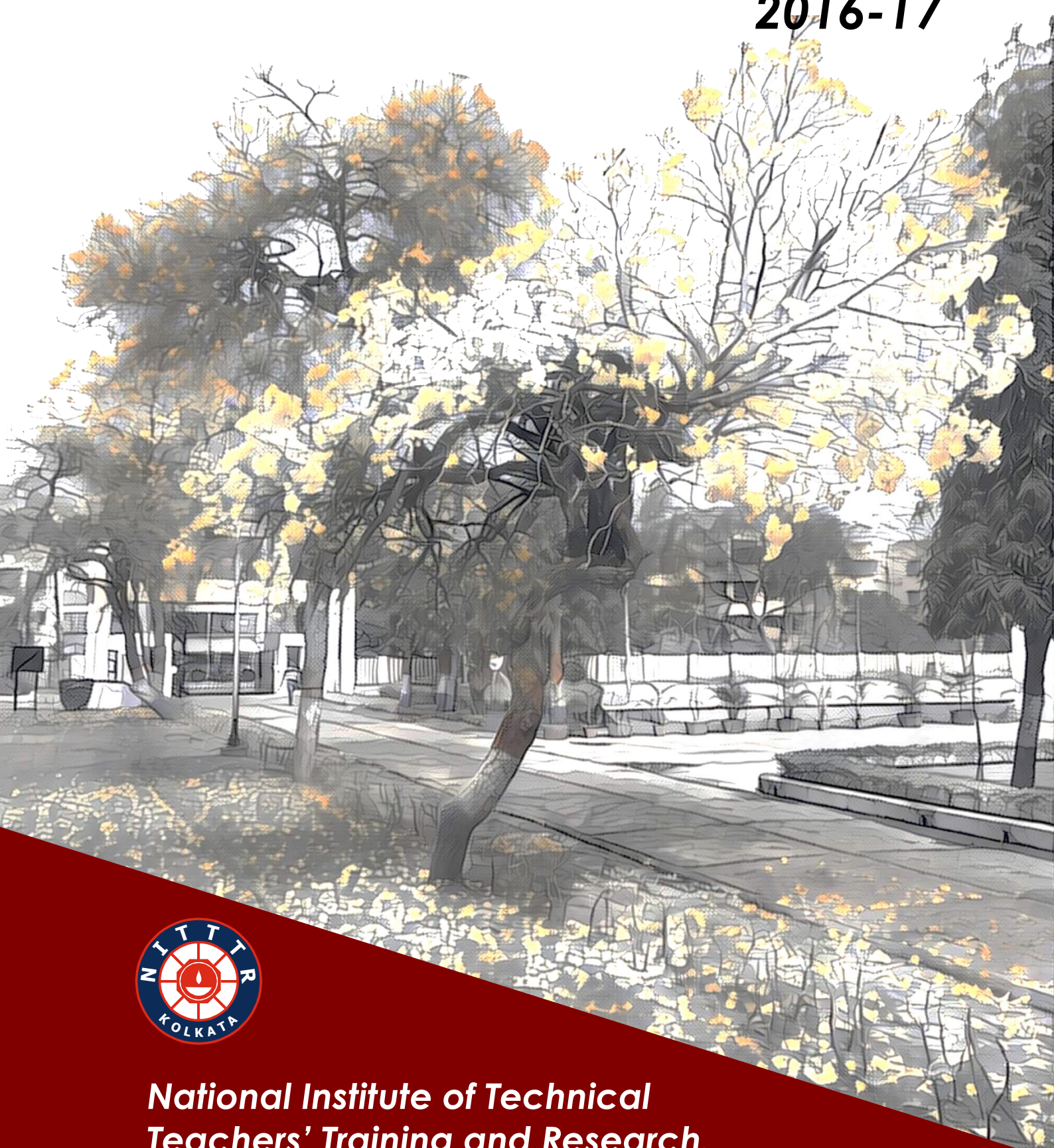


Annual **Report**

2016-17



**National Institute of Technical
Teachers' Training and Research,
Kolkata**



**National Institute of Technical Teachers'
Training and Research, Kolkata**

Annual Report
2016-17

(April 1, 2016 – March 31, 2017)

National Institute of Technical Teachers' Training and Research, Kolkata

Vision

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



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Director's Report



Prof. Phalguni Gupta
Director

During 2016-17, the Institute conducted 183 short term training programs (STTPs) in different technical and managerial subjects. This includes training through ICT mode. These programmes were attended by 6315 Trainees engaged in teaching and other academic activities in various polytechnic and engineering degree colleges located across the country. I am happy to inform that in comparison to 2015-16, there is an increase of about 25% on number of STTPs and number of trainees.

Also, the Institute offers full time M. Tech courses in Manufacturing Technology, Mechatronics Engineering, Multimedia and Software Systems and Structural Engineering. In this year, 56 students received their M. Tech degrees. This year the Institute has been declared as a new QIP PhD Centre in Engineering & Technology. Two seats have been sanctioned for each of four departments – Civil Engineering, Computer Science & Engineering, Electrical Engineering and Mechanical Engineering.

The Institute conducted 33 workshops on various topics related to curriculum development and implementation, NBA and Training Need Analysis, in which there were 681 participants. During this period, the Institute took up the projects of revising curriculum of 6 courses of Mizoram and 10 courses of Nagaland and accepted the assignment of new curriculum of 2 courses of Mizoram and 4 courses of Sikkim.

To create a common platform to determine the actual needs of the North Eastern states and to make desired future plan,

we conducted a Regional Workshop on “Technical Education for North Eastern States” at Shillong, Meghalaya on 8 and 9 April 2016 which was attended by 60 participants. Principals of various Polytechnics, Directors, Technical Education of different North Eastern States, officials from BSNL, AICTE and members of Board of Governors of the Institute took active participation in the workshop.

I am proud to inform that the Institute organized 1st of its kind, the 1st National Innovation Talent Contest for Polytechnics (NITCP) on 21 and 22 February 2017. The event was participated by 45 polytechnics from various parts of the country. Another event, the ACM International Collegiate Programming Contest, Asia Region, Kolkata Site-2016, was organized jointly with JIS University, Kolkata on 26 and 27 December 2016. Only 100 teams were selected for the onsite contest out of 520 registered teams and 92 teams participated in the contest which is the largest computer programming contest in the world.

Beside all these events, the Institute successfully celebrated many events like Anti-Terrorism Day (20 May 2016), World Environment Day (5 June 2016), International Yoga Day (21 June 2016), Independence Day (15 August 2016), Swachh Bharat Pakhwada (14-15 September 2016), Sadbhavana Diswas, Rajbhasa Samaroha (20 September 2016), Vocational Programme on “Training of Trainers in IT & ITes Sector under NSQF” (20 September 2016), Rashtriya Ekta Diwas (31 October 2016), Vigilance Awareness Week (October 2016), Foundation Day (11 January 2017) and Republic Day (26 January 2017).

Faculty members published 65 papers in reputed journals and conferences and 2 chapters. Further, it produced 20 educational video films for the nationwide broadcast by the Gyan Darshan Channel of Doordarshan. The Institute, being a nodal agency for monitoring and implementation of the Community Development through Polytechnic (CDTP) and Integrating Persons with Disabilities in the mainstream of Technical and vocational Education (PWD) Scheme, successfully discharged its duties.

I would like to place on record the work done by the faculty and the staff members of the Institute in strengthening teaching and training programmes.

(Phalguni Gupta)

Director, National Institute of Technical Teachers' Training and Research, Kolkata
Email: director@nittrkol.ac.in

Mission

- *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.*



About Us

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 then 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 colleges and polytechnics, 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' has been introduced since 2011-2012. The Institute has highly qualified faculty and excellent infrastructural support in the form of well equipped laboratories, Integrated Computer Centre (ICC), Library Welding Centre, CAD/CAM centre and other resources. At present this Institution is focusing among others, Technical Teachers' Training through ICT Mode.



Objectives

The objectives of the Institute include:

- 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.
- To arrange for hands-on training to technical teachers in industries on a cooperative education plan
- To undertake systematic research to provide input to develop technical education systems and their management
- To undertake action research to develop innovative methods, processes and practices for improvement of teaching-learning environment in technical and vocational education.
- To design instructional system and strategies to produce multimedia learning materials
- To develop and disseminate learning resources like Textbooks, Laboratory Manuals, Video Programmes, Computer Assisted Instructional Multimedia packages to technical and vocational institutions and other organisations.
- To offer programmes for technical and vocational teachers in distance learning mode using state-of-the-art technologies.
- To offer courses / programmes for technical and vocational teachers to suit overseas demand specially SAARC & ASEAN countries.
- To collaborate with Community and Industry in organizing Continuing and Non-formal education programmes and providing extension and consultancy services.
- To undertake Consultancy work for industry, technical institutions/ organization
- To provide support services on GOI schemes on technical and vocational education system and as entrusted by MHRD, GOI, from time to time
- 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.

Campus

The Institute campus extends over an area of 11 acres. Tastefully laid out with the picturesque landscape and with numerous buildings of various types and with clean and wide roads, the campus presents a natural beauty.



Management

NITTTR, Kolkata is an autonomous organization of the Government of India. Responsibility for direction and control of the affairs of the Institute is vested in the board of Governors. The Board functions through its standing committees – the Finance Committee, the Buildings & Works Committee and other committees. The composition of the Board of Governors and its standing committees as on March 31, 2017 is as follows:

List of Members of NITTTR, Kolkata Society

Sl. No.	Name & Address	Designation
1	Shri Arun Kumar Saha (Till 09/10/2016) 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 Joint Secretary/Deputy 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)/ Director (Finance)/ Deputy Secretary (Finance)/ AFA IFD, Ministry of Human Resource Development Government of India, Shastri Bhavan, New Delhi –110 115	Member
4.	The Director Department of Technical Education, Govt. of Tripura, Agartala	Member
5.	The Director Department of Technical Education, Govt. of Orissa, Bhubaneswar	Member
6.	The Director Department of Technical Education, Govt. of Nagaland, Kohima	Member
7.	The Director Department of Technical Education, Govt. of Madhya Pradesh, Bhopal	Member
8.	The Director Department of Technical Education, Government of Karnataka, Bangaluru	Member
9.	The Vice Chancellor, Maulana Abul Kalam Azad University of Technology, West Bengal	Member
10.	Dr. Ajay Kumar Ray (Representative of AICTE) Director, Indian Institute of Engineering Science and Technology, Shibpur	Member
11.	Prof. Phalguni Gupta Director, NITTTR, Kolkata	Member Secretary

Board of Governors

Sl. No	Name & Address	Designation
1	Shri Arun Kumar Saha (Till 09/10/2016) Joint Managing Director, Infrastructure Leasing and Financial Services Ltd.	Chairman
2	The Joint Secretary to the Government of India Ministry of HRD, (Dept. of Higher Education), Govt. of India	Member
3	The Joint Secretary & Financial Adviser IFD, Ministry of Human Resource Development, Government of India	Member
4.	The Director, Department of Technical Education, Govt. of Tripura	Member
5.	The Director, Department of Technical Education, Govt. of Orissa	Member
6.	The Director, Department of Technical Education, Govt. of Nagaland	Member
7.	The Director, Department of Technical Education, Govt. of Madhya Pradesh	Member
8.	The Director, Department of Technical Education, Govt. of Karnataka	Member
9.	Prof. Ajay Kumar Ray Director, Indian Institute of Engineering Science and Technology, Shibpur	Member (AICTE Representative)
10.	The Vice Chancellor Maulana Abul Kalam Azad University of Technology, West Bengal	Member
11.	Shri Ajit Balakrishnan Chairman and CEO, Rediff.com India Ltd.	Member
12.	The Vice Chancellor Gujarat Technological University	Member
13..	Prof. Sekhar Chakraborty (Till 30/06/2016) Professor, Educational Planning & Management, NITTTR, Kolkata Prof. Uday Chand Kumar (From 01/07/2017) Professor, Civil Engineering, NITTTR, Kolkata	Member (Faculty Representative)
14.	Prof. Phalguni Gupta Director, NITTTR, Kolkata	Member Secretary



Finance Committee

Sl. No	Name & Address	Designation
1	Shri Arun Kumar Saha (Till 09/10/2016) Joint Managing Director, Infrastructure Leasing and Financial Services Ltd.	Chairman
2	The Joint Secretary to the Government of India Ministry of HRD, (Dept. of Higher Education), Govt. of India	Member
3	The Joint Secretary & Financial Adviser IFD, Ministry of Human Resource Development, Government of India	Member
4	The Director, Department of Technical Education, Govt. of Tripura	Member
5.	Prof. Phalguni Gupta Director, NITTTR, Kolkata	Member Secretary

Building and Works Committee

Sl. No	Name & Address	Designation
1.	Shri Sailapati Gupta AE – 502, Sector – I Salt Lake City, Kolkata – 700 064	Chairman
2.	The Director Department of Technical Education, Government of Orissa, Bhubaneswar, Odisha	Member
3.	Shri Ashim Sinha 1-1/5, 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.	Prof. Phalguni Gupta Director, NITTTR, Kolkata	Member Secretary



Academic Council

Sl. No.	Name	Designation
1.	Dr. Phalguni Gupta, Director	Ex-Officio Chairman
2.	Dr. Ranjan Dasgupta, Professor	Secretary
3.	Dr. Dipankar Bose, Professor	Member
4.	Dr. Sekhar Chakraborty, Professor	Member
5.	Dr. Anuradha De, Professor	Member
6.	Dr. Urmila Kar, Professor	Member
7.	Dr. Udai Chand Kumar, Professor	Member
8.	Dr. Jagat Jyoti Mandal, Professor	Member
9.	Dr. Sailendra Nath Mandal, Professor	Member
10.	Dr. Samiran Mandal, Professor	Member
11.	Dr. Soumitra Kumar Mandal, Professor	Member
12.	Dr. Samir Roy, Professor	Member
13.	Dr. Prasanta Sarkar, Professor	Member
14.	Shri Nirmal Kumar Mandal, Associate Professor	Nominated Member
15.	Shri Sukanta K. Naskar, Associate Professor	Nominated Member
16.	Shri Rajeev Chatterjee, Assistant Professor	Nominated Member
17.	Mrs. Sheela Yadav Rai, Assistant Professor	Nominated Member
18.	Dr. Siddhartha Datta, Professor, Jadvapour University	External Member
19.	Dr. Siddhartha Ray, Professor, Heritage Inst. of Technology	External Member

Picture

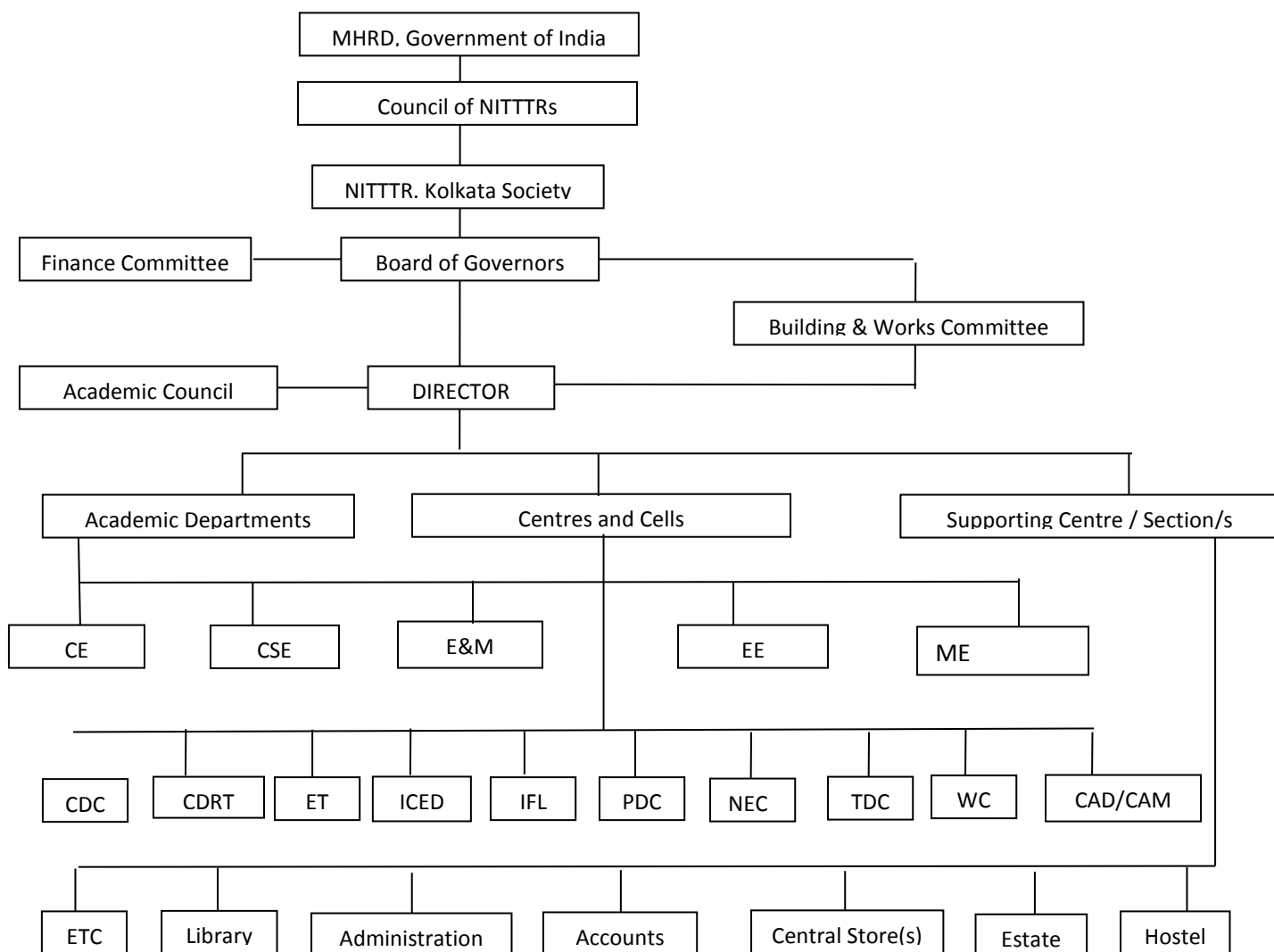
Dates of Meetings

Academic Council Meeting 26 th Meeting on 20 June 2016 27 th Meeting on 18 October 2016	Building & Works Committee Meeting 21 st Meeting on 20 June 2016 22 nd Meeting on 19 August 2016 23 rd Meeting on 20 October 2016
Finance Committee Meeting 25 th Meeting on 24 June 2016 26 th Meeting on 26 October 2016	Board of Governors Meeting 28 th Meeting on 24 June 2016 29 th Meeting on 26 October 2016
Annual General Meeting of NITTTR, Kolkata Society 17 th Meeting on 26 October 2016	

Administration

The Director is the principal academic and executive officer of the Institute. He is responsible for the proper administration of the Institute and for the imparting of instruction and maintenance of discipline therein. He is assisted in his day to day work by Head of the Departments and the senior faculty members of the Institute. As on 31 March 2017, besides the Director, there are 27 faculty members in the Institute. Out of which, there are 14 Professors and 11 Assistant Professors. Also, the Institute has 2 Group ‘A’ Officers. Organizational structure of the Institute is given below.

Further, to run the Institute smoothly, the Director is assisted by a group of faculty members and Group A Officers. The organizational structure is given below.



Curriculum Development Centre (CDC), Community Development and Rural Technology (CDRT), Education Technology (ET), Industrial Consultancy & Entrepreneurship Development (ICED), Institute of Future Learning (IFL), Product Development Cell (PDC), Non-conventional Energy Cell (NEC), Technology Development Cell (TDC), Welding Centre (WC), CAD/CAM Centre

Achievements

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

STTP activities of the Institute are coordinated by the Academic Section under the supervision of the Academic Coordinator. These training programmes are conducted by the faculty members of the Institute at the campus and its Extension Centers located at Guwahati & Bhubaneswar. In addition, In-house Training Programmes (IHTP) have also been conducted at the campus of various technical institutions on demand.

During the period, the Institute has conducted **183 STTP** to train **6315** faculty members, officers and staff members of various Polytechnics, Engineering Colleges, Universities and other organizations across the country. Details of all training programmes are given in Tables 1-4 and Figures 1–3.

Table 1 presents (i) the number of participants attended in the various training programmes, (ii) the number of curriculum developed or revised, (iii) the number of instructional materials developed and (iv) the number of workshops organized by the Institute in 2016-17.

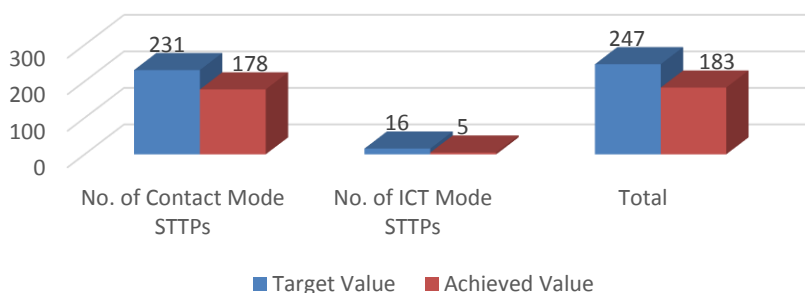
Table 1: Summary of Target and Achievements

Sl. No.	Institutional Activities	Parameters	Target	Achieved
01.	Education & Training Programmes for Degree & Diploma Level Technical Institutions and Industry	No. of Short Term Training Programmes (STTP)	231	178
		No. of Participants (STTP)	5200	5396
		No. of Short Term Training Programmes (ICT Mode)	16	05
		No. of Participants (ICT Mode)	1300	919
02.	Curriculum Development/ Curriculum Revision for Diploma Courses	As per Demand	-	22 on process
		No. of Participants		138
03.	Instructional Materials Development	Educational Video Films for Gyandarshan Channel	20	20
04.	Seminar/Workshop Organised	Regional Workshop (Shillong, Meghalaya)	-	1
		No. of Participants		56
		NBA Accreditation	-	8
		No. of Participants		336
		Training Need Analysis	-	8
		No. of Participants		151

Training Achievement Report of the Academic year 2016-17 is shown in Table 2. It indicate achieved number of programmes against target represented by the table below indicating the Target Number of Programmes and Achieved Number of Programmes for Short-Term Training Programme (STTP):

Table 2

Sl. No.	Success Indicator	Target Number	Achieved Number
1	Contact Mode	231	178
2	ICT Mode	16	5
Total		247	183



Following table showing the number of participants attended in STTP against the target.

Sl. No.	Success Indicator	Target Value	Achieved Value
1	No. of Participants attended contact mode STTPs	5200	5396
2	No. of Participants attended ICT Mode STTPs	1300	919
Total		6500	6315

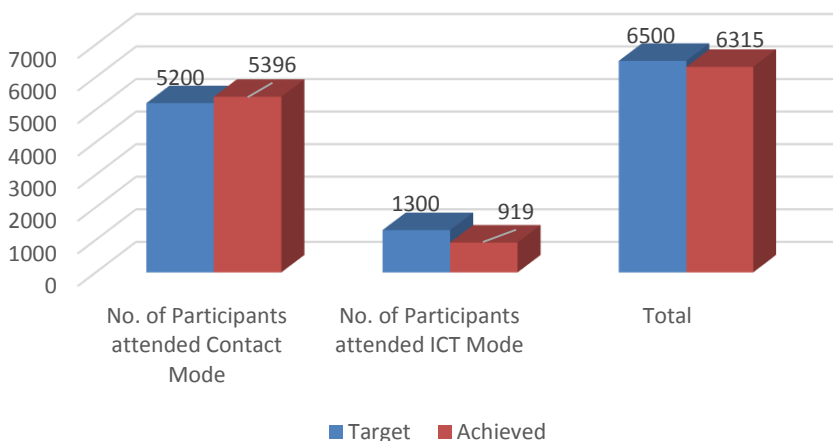


Figure 1 shows the performance of the last 3 years on the number of STTPs achieved against target. It has been observed that there is a steady increase in the number of STTPs targeted and conducted. Also, it is found that about 40% of courses are not being held during previous 2 years. However, it is found to be improved (26%) in 2016-17 as compared to previous two years.

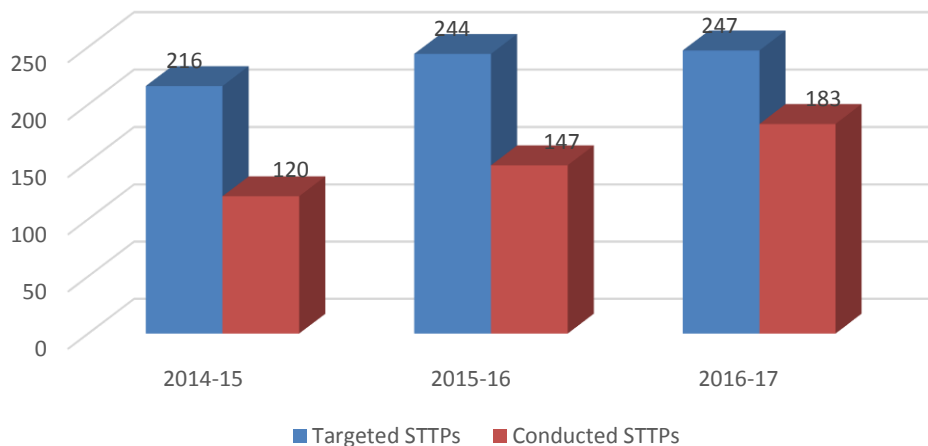


Figure 1: No. of STTPs Targeted Vs Conducted in Last 3 Years

Figure 2 shows the performance of the last 3 years based on the number of participants in STTP targeted and conducted. It has been observed that there is not only a steady increase on the number of participants attended in STTPs but also the achieved value more than the target number of participants in last two years.

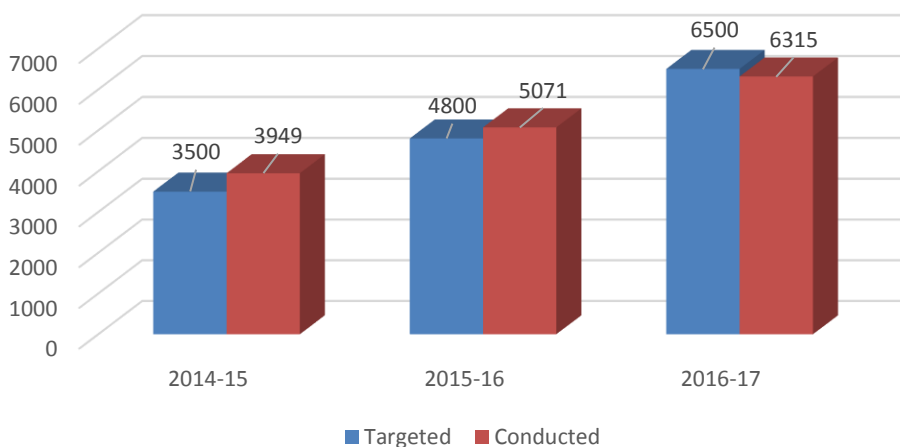


Figure 2: No. of Participants in Targeted Vs Conducted in STTPs in 3 consecutive Years

Table 2 shows the distribution of STTPs of different modes organized in different centres. It also provides information on the number participants attended the programs. Figure 3 shows the percentage-wise of number of participants attended in different centres while that of various STTPs conducted is shown in Figure 4.

Table 2: Summary of Short-Term Training Programmes (STTP) Venue-Wise

Sl. No.	Summary (STTP)	No. of STTP	No. of Participants
1	NITTTR, Kolkata	121	2363
2	Bhubaneswar Extension Centre	7	81
3	Guwahati Extension Centre	10	184
4	In-House Programmes	40	2768
6	E-Learning (ICT Mode)	5	919
TOTAL		183	6315

Participant-Wise Achievement Report

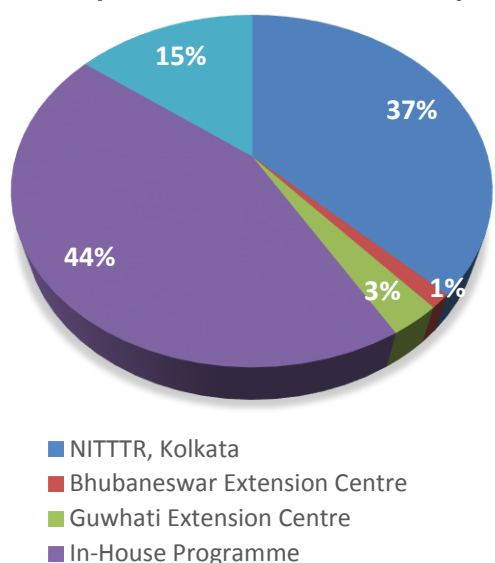


Figure 3: Percentage Distribution of different Centres

STTP-Wise Achievement Report

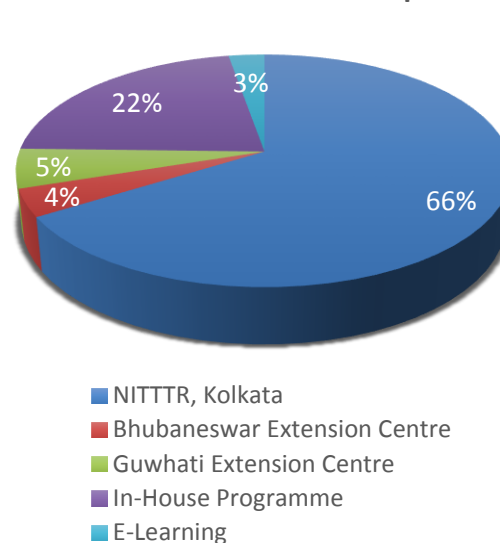


Figure 4: Percentage distribution of STTPs conducted at different centres and ICT Mode

Distributions of STTPs under different modes at different centres over last 3 years are given in Figure 5 while that of the participants attended in the programmes are shown in Figure 6. It can be observed that there is a steady increase in the number of programmes except that of training conducted under ICT mode. On analysis, it can be concluded that participants have preferred to attend training programmes under contact mode instead of ICT mode trainings.

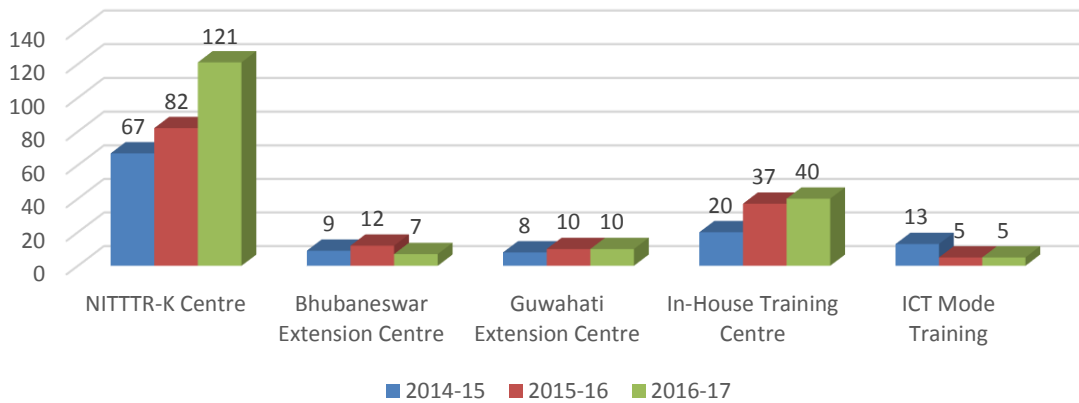


Figure 5: STTPs held in Different Venues / Mode in Last 3 Years

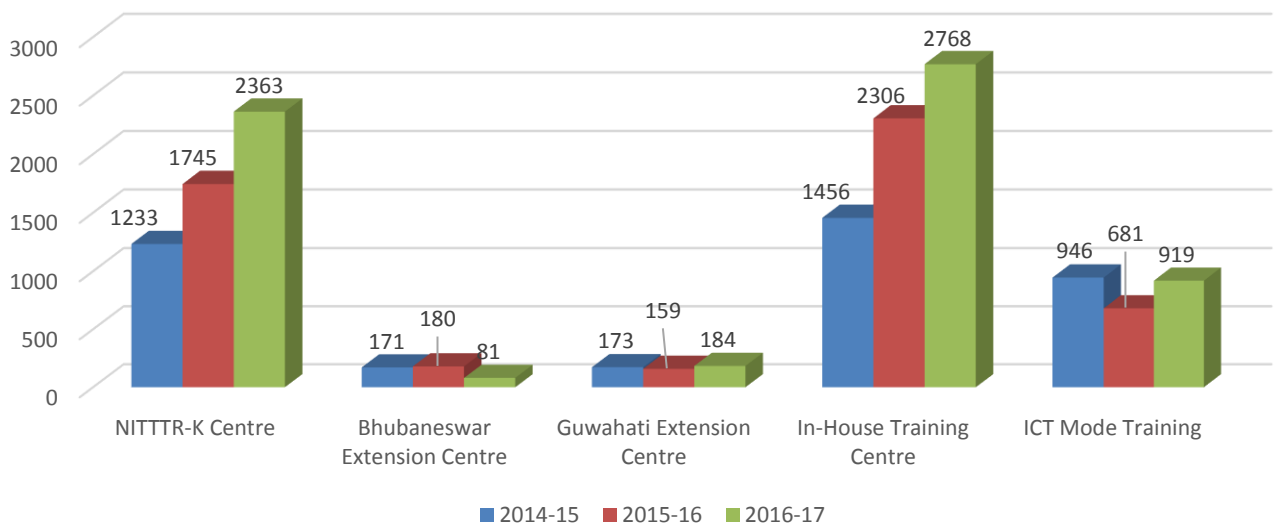


Figure 6: No. of Participants in STTPs held in Different Venues and Mode during last 3 Years

On analysis, it is observed that during the said academic session (2016-17), participation of faculty/staff members from Polytechnic Colleges are more than that of Engineering Institutes. Venue-wise participation of faculty/staff members from Polytechnic and Engineering Colleges in the conducted STTPs including In-house and ICT-mode programmes are shown in Table 3.

Table 3: Summary of Short-Term Training Programme: Institute-wise

Sl. No.	Programme Venue	Teacher/Staff Participants from Technical Institutions of		Total
		Engineering Colleges	Polytechnics College	
1	NITTTR, Kolkata	768	1595	2363
2	Bhubaneswar Extension Centre	21	60	81
3	Guwahati Extension Centre	146	38	184
4	In-House Programmes	986	1782	2768
5	E-Learning Programme		919	919
GRAND TOTAL		1921	4394	6315
Percentage-wise participant		30%	70%	-

Distribution of the number of trainees participated in STTPs came from different types of Institutes (i.e. Engineering Colleges and Polytechnics) over last 3 years is given in Figure 8. It can be seen that there is a steady increase on the number of participants from both the types of Institutes.

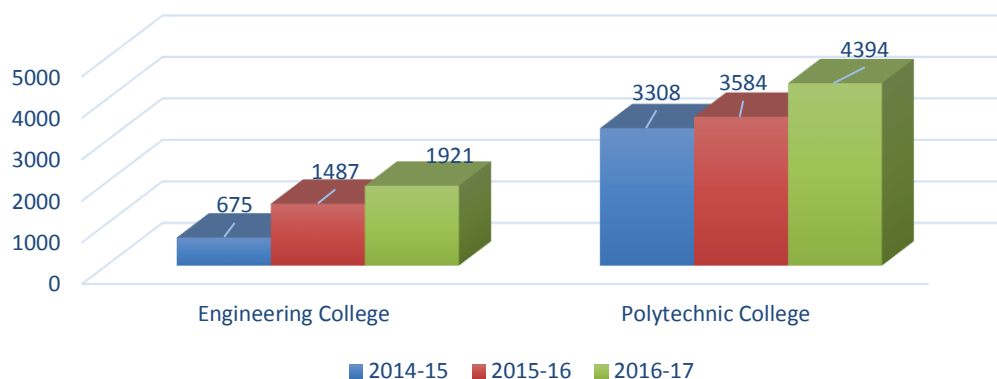


Figure 8: Institute-wise Distribution of Participants over Last 3 Years

It is also found that participation from Government institutes are more than that from Private Colleges in 2016-17. The distribution is shown in Table 4.

Table 4: Summary of Short-Term Training Programmes: Sector-Wise

Sl. No.	Programme Venue	Teacher/Staff Participants from Technical Institutions of		Total
		Government College	Private College	
1	NITTTR, Kolkata	2053	310	2363
2	Bhubaneswar Extension Centre	71	10	81
3	Guwahati Extension Centre	165	19	184
4	In-House Programmes	2409	359	2768
5	E-Learning Programme	584	335	919
GRAND TOTAL		5282	1033	6315
Percentage-wise participants		84%	16%	-

Distributions of participation in STTPs from different types of Institutes (i.e. Government College and Private Colleges) over last 3 years are given in Figure 10. It can be seen that there is enhancement in the number of participants for both the cases.

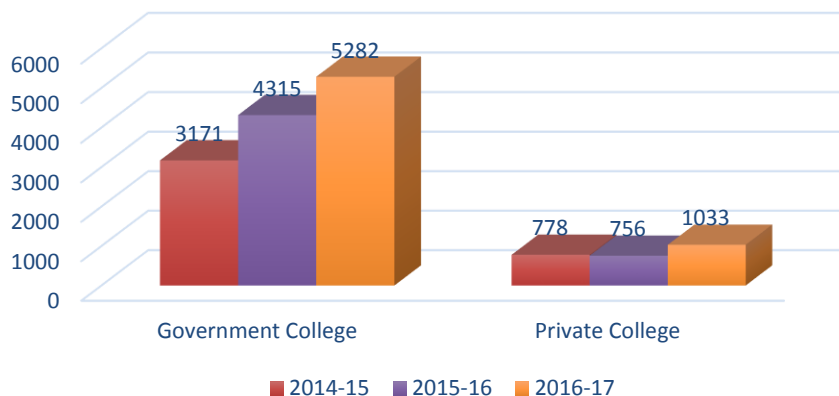


Figure 10: Distribution of Participants from Govt. Vs. Private institutions over Last 3 Years

It can also be noted that Institute has trained 6315 participants who are hailed from 30 States and Union Territories. Table 5 and Figure 11 represent the state-wise participation:

Table 5: Summary of Short-Term Training Programmes: State-wise

Sl. No.	Name of the State	No. of Participants
1	A & N Islands	85
2	Arunachal Pradesh	16
3	Assam	300
4	Manipur	34
5	Meghalaya	6
6	Mizoram	194
7	Nagaland	90
8	Tripura	226
9	Sikkim	68
10	Bihar	424
11	Jharkhand	721
12	Odisha	683
13	West Bengal	2704
14	Andhra Pradesh	68
15	Karnataka	180
16	Kerala	98
17	Delhi	21
18	Maharashtra	129
19	Haryana	15
20	Tamil Nadu	52
21	Pondicherry	22
22	Telangana	11
23	Uttarakhand	22
24	Jammu & Kashmir	1
25	Rajasthan	10
26	Gujarat	4
27	Uttar Pradesh	106
28	Punjab	5
29	Goa	7
30	Madhya Pradesh	13
	TOTAL	6315

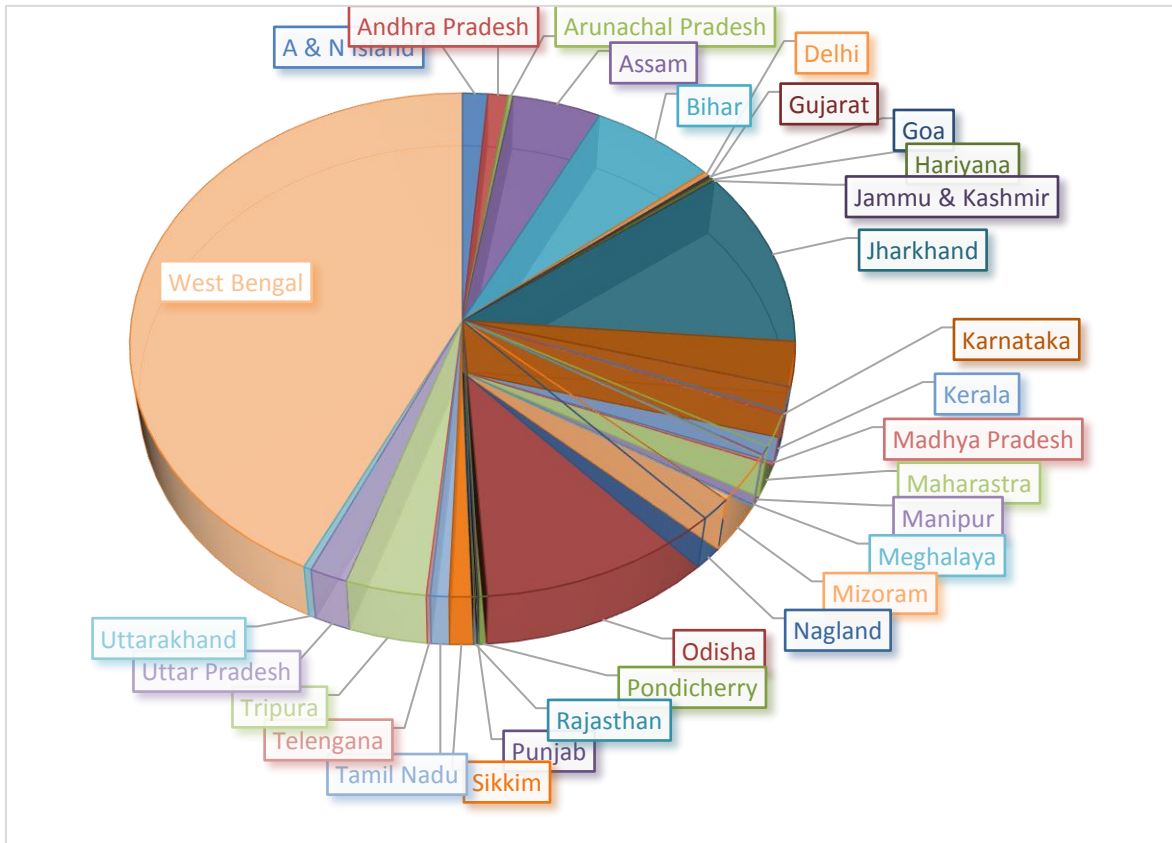


Figure 11: State-wise Distribution of Participants

Region-wise distribution of trainees in STTPs over last 3 years is shown Figure 12. It can be seen that there is steady increase on participation.

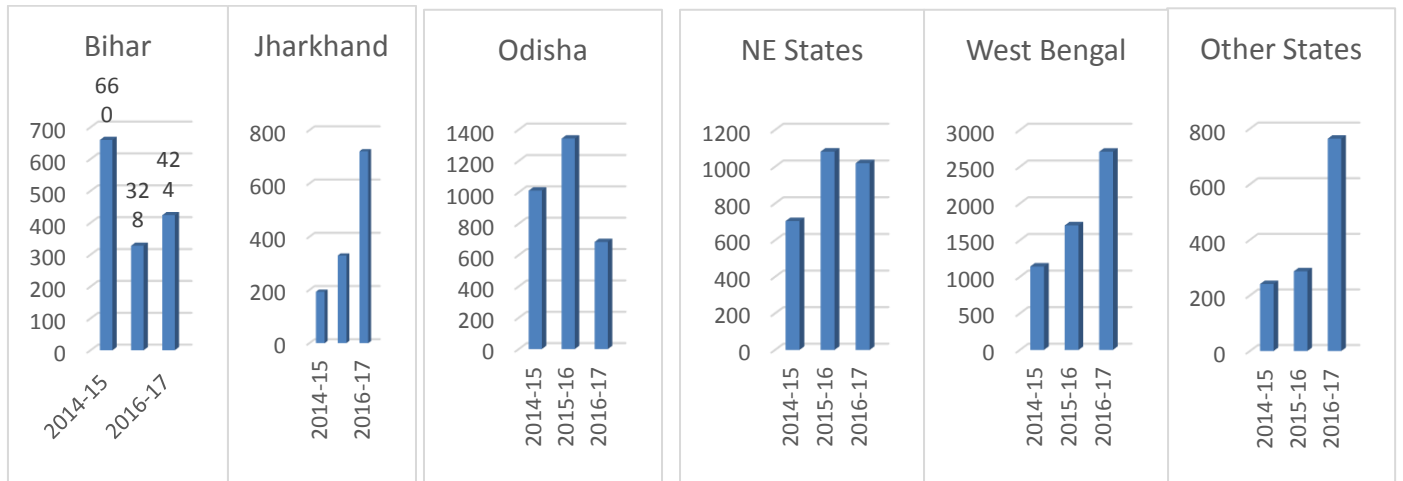


Figure 12: Region-wise Distribution of Participants

Analysis of training data for the year 2016-17 also indicates well distributed category-wise participation which is shown in Figure 13

Category	No. of Participants	Percentage-wise participants
General Caste	3870	61%
OBC	1270	20%
SC	611	10%
ST	564	9%
Total	6315	-

Figure 13: Category-wise distribution of Participants

Distribution of participants during last 3 years under different categories has been shown in Figure 14. It has been observed that there is a steady increase on participation in all categories.

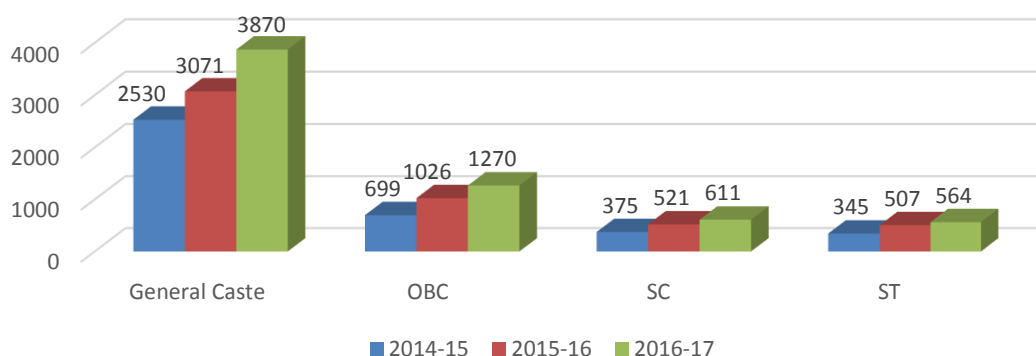


Figure 14: Distribution of Participants under Different Categories over last three years

Table shows the gender-wise distribution of participants for the academic year 2016-17. It can be seen that more than 80% participants are male.

Gender	No. of Participation	Percentage-wise participation
Male	5189	82%
Female	1126	18%
Total	6315	-

However, if we analyse the gender-wise distribution of participants for last 3 years which is shown in Figure 16. It can be concluded that there is a steady increase in the participation of both male and female trainees.

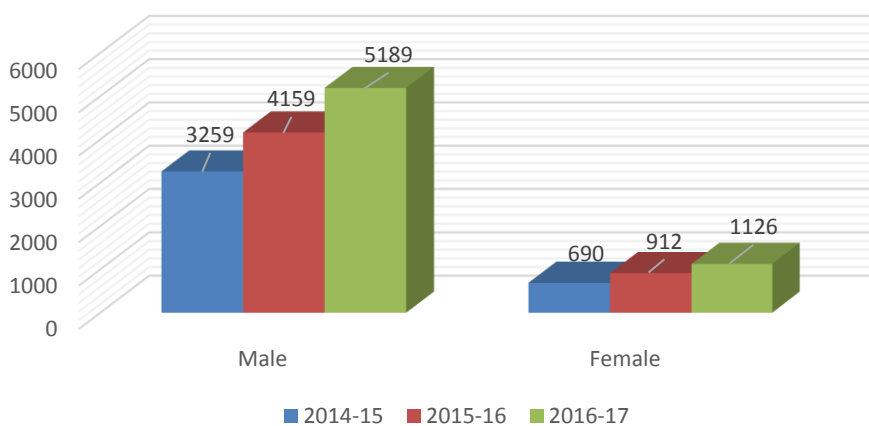


Figure 16: Gender-wise distribution of Participants over last 3 years

The Institute also provided Short-Term Trainings under TEQIP-II and NEQIP Schemes. Its distribution of participation is shown in Table

Scheme	No. of partipants	Percentage-wise participation
TEQIP-II	443	7%
NEQIP	69	1%
Private Funded Instt.	260	4%
Govt. Institute	5543	88%
	6315	-

Table: No. of Participants in Different Sectors

D) Workshop

NITTTR, Kolkata conducted 33 workshops on various topics in the field of Development and Implementation of Curriculum, NBA, TNA and there were 681 participants attended the programs.

Distribution of participation is reflected in the following Table.

Sl. No.	Title of the Workshop	No. of Participants	Percentage-wise participation
1	Regional Workshop	56	3%
2	Curriculum Revision	138	30%
3	NBA Accreditation	336	27%
4	TNA Related	151	40%

Details of Workshops conducted are given below:

S No.	Name of the Program	Venue	From	To	Duration	Participants
REGIONAL WORKSHOP						
1.	2 nd Regional Workshop on Technical Education for North Eastern States	Shillong Polytechnic, Shillong, Meghalaya	08-04-2016	09-04-2016	2	56
CURRICULUM REVISION & IMPLEMENTATION						
1	Development of Sensors and Signal Conditioning Laboratory as per AEIE Curriculum	Asansol Engg. College	04-04-2016	05-04-2016	2	11
2	Prepare our Mission Vision Statement with all stake holders of the Institute	Kalyani Govt. Engg. College	13-06-2016		1	60
3	Curriculum Development for the State of Sikkim (Participated by CCCT)	NITTTR, Kolkata	28-04-2016	30-04-2016	3	9
4	Curriculum Revision for the State of Mizoram	NITTTR, Kolkata	08-06-2016	10-06-2016	3	9
5	Curriculum Revision for the State of Sikkim (Participated by CCCT)	NITTTR, Kolkata	17-06-2016		1	1
6	Curriculum Revision for 2nd & 3rd Year for the State of Mizoram	NITTTR, Kolkata	23-01-2017	25-01-2017	3	3
7	Curriculum Revision Workshop for CCCT, Govt. of Sikkim	NITTTR, Kolkata	27-02-2017	01-03-2017	3	10
8	Outcome Based Education & Accreditation	Rajiv Gandhi Govt. Polytechnic, Itanagar	06-03-2017	07-03-2017	2	22
9	Revision of Curriculum (Electronics & Telecommunication) for the State of Mizoram, Women's Polytechnic, Mizoram	NITTTR, Kolkata	30-03-2017	31-03-2017	2	2
10	Curriculum Revision for the State of Nagaland	NITTTR, Kolkata	29-11-2016	30-11-2016	2	11
11	Syllabus review for NBA for the State of Sikkim (participated by ATTC)	NITTTR, Kolkata	24-06-2016	25-06-2016	2	2
					Total:	138

S No.	Name of the Program	Venue	From	To	Duration	Participants
ACCREDITATION						
1	NBA Accreditation	Govt. Polytechnic, Aizawl, Mizoram	23-04-2016	24-04-2016	2	21
2	Outcome Based Accreditation	The New Horizons Institute of Technology, Durgapur	30-08-2016		1	76
3	NBA Accreditation	H.R.H. The Prince of Wales Instt. of Engg. & Technology, Jorhat, Assam	21-10-2016	22-10-2016	2	33
4	Accreditation with Focus on SAR Filling	Al-Kabir Polytechnic, Jamshedpur, Jharkhand	17-11-2016	18-11-2016	2	24
5	Outcome Based Accreditation	Jorhat Engineering College, Jorhat, Assam	18-01-2017	19-01-2017	2	55
6	Outcome Based Accreditation	Assam Engineering Institute, Guwahati, Assam	03-02-2017	04-02-2017	2	53
7	Preparation of Mission & Vision Statements	MIT Academy of Engineering, Pune, Maharastra	13-01-2017		1	28
8	Preparation of Vision & Mission Statement	Bongaigaon Polytechnic, Bongaigaon, Assam	24-02-2017	25-02-2017	2	44
					Total	336
TRAINING NEED ANALAYIS						
1	TNA workshop for the State of Arunachal Pradesh	Rajiv Gandhi Govt. Polytechnic, Itanagar	18-11-2016		1	8
2	TNA workshop for the State of Assam	Guwahati Exten. Centre	19-11-2016		1	25
3	TNA workshop for the State of Meghalaya	Guwahati Exten. Centre	19-11-2016		1	25
4	TNA workshop for the State of, Mizoram	Guwahati Exten. Centre	19-11-2016		1	25
5	TNA workshop for the State Manipur	Guwahati Exten. Centre	19-11-2016		1	25
6	TNA workshop for the State of Nagaland	Guwahati Exten. Centre	19-11-2016		1	25
7	TNA Workshop for the State of Jharkhand	SBTE Office	22-11-2016		1	17
8	TNA Workshop for the State of Sikkim	CCCT, Chisopani, Sikkim	26-11-2016		1	19
9	TNA Workshop for the State of Bihar	New Govt. Polytechnic, Patna	28-11-2016		1	39
10	TNA Workshop for the State of Tripura	DTE Office	10-12-2016		1	8
11	TNA Workshop for the State of Odisha	Bhubaneswar Exten. Centre	12-12-2016		1	22
12	TNA Workshop for the State of A & N Islands	NITTTR, Kolkata	24-12-2016		1	13
13	TNA Workshop for the State of West Bengal	NITTTR, Kolkata	24-12-2016		1	13
					Total	151

**LIST OF SHORT TERM TRAINING PROGRAMME (STTP)
VENUE: NITTR, KOLKATA**

S No.	Code	Program Title	Co-ordinator(s)	Date		Duration (Week)	Engg.	Poly.	Participants
				From	To				
1	SPL01	Induction Training	Habiba Hussain, Urmila Kar	04-04-2016	14-04-2016	2		44	88
2	CU53	Laboratory Experiment and Students' Project	Sagarika Pal	26-04-2016	30-04-2016	1		10	10
3	PS01	Formulation of Operational Plan for MHRD Sponsored PWD Scheme	Sheela Yadav Rai	26-04-2016	30-04-2016	1		6	6
4	CU28	Software Design using Unified Modeling Language	Samir Roy	02-05-2016	06-05-2016	1		4	4
5	CU29	Image Processing using MATLAB	Indrajit Saha	09-05-2016	13-05-2016	1	8	3	11
6	CU92	Applications of Thermal Engineering (Thermal Engineering – II)	Rayapati Subbarao	09-05-2016	13-05-2016	1		6	6
7	CU31	Network Principles, Management & Administration	Rajeev Chatterjee	09-05-2016	20-05-2016	2	2	21	46
8	CU03	Application of Auto CAD in Engineering Drawing	Tushar Kanti Dey	16-05-2016	20-05-2016	1		7	7
9	CU32	Database Design and Practice	Ranjan Dasgupta	23-05-2016	27-05-2016	1	10		10
10	CU54	Power electronics & Thyristor based Control System	Soumitra Kumar Mandal	23-05-2016	27-05-2016	1	4	5	9
11	CU94	Programming and Operations on CNC Machines	Nirmal Kumar Mandal	23-05-2016	27-05-2016	1	1	2	3
12	CU95	How to write Thesis or Research Paper	Rayapati Subbarao	30-05-2016	03-06-2016	1	4	4	8
13	CU125	Laboratory practice in Chemistry and Petrochemical Testing	Sailendra Nath Mandal	30-05-2016	10-06-2016	2		2	4
14	CU55	Control Systems - Analysis & Design using MATLAB	Prasanta Sarkar	06-06-2016	17-06-2016	2	12	4	32
15	CU96	AUTOCAD	Nirmal Kumar Mandal	06-06-2016	17-06-2016	2	3	1	8
16	PS02	Leadership & Team Building in academia	Habiba Hussain	06-06-2016	17-06-2016	2	9	3	24
17	CU34	Topics of Discrete Mathematics	Samir Roy	13-06-2016	17-06-2016	1	6		6
18	CU35	Numerical and Computational Techniques for Engineers and Researchers	Kinsuk Giri	13-06-2016	17-06-2016	1	8		8
19	PS03	Understanding Accounts and its proper maintenance for effective financial control	Sailendra Nath Mandal	13-06-2016	17-06-2016	1		4	4
20	CU05	Geotechnical Investigation & Testing	Jagat Jyoti Mandal	13-06-2016	24-06-2016	2	7	4	22
21	CU56	Exposure on MATLAB	Dr. Anudradha De	13-06-2016	24-06-2016	2	12		24
22	MGT02	Human Resource Management-Technical Education Perspective	Sukanta Kumar Naskar	20-06-2016	24-06-2016	1	3	7	10
23	MGT03	Laboratory Safety Management	Subrata Mondal	20-06-2016	24-06-2016	1	9	1	10
24	CU126	Drinking Water, Adulteration of Food and Health	Sailendra Nath Mandal	20-06-2016	01-07-2016	2	4	3	14
25	CU57	Medical Instrumentation	Subrata Chattopadhyay	20-06-2016	01-07-2016	2	5		10
26	CU58	8085 & 8086, Microprocessor, Architecture, Programming & Interfacing	Soumitra Kumar Mandal	20-06-2016	01-07-2016	2	5	5	20
27	PS04	Institutional Development	Sekhar Chakraborty	20-06-2016	01-07-2016	2	6	4	20
28	CU36	Theory of Internet & Web Page Design	Ranjan Dasgupta	27-06-2016	01-07-2016	1	8	9	17
29	CU37	Recent Advances in Optimization: Theory and Applications	Kinsuk Giri	27-06-2016	01-07-2016	1	20	1	21
30	CU07	Rural Engineering	Uday Chand Kumar	27-06-2016	01-07-2016	1		23	23
31	CU38	Data Structures and Algorithms	Samir Roy	04-07-2016	15-07-2016	2	17	4	42
32	CU08	Introductory Course on Structural Dynamics & Earthquake Engineering	Jagat Jyoti Mandal	11-07-2016	15-07-2016	1	3	1	4
33	CU127	Membranes for Water Treatment: Challenges and Opportunities	Subrata Mondal	11-07-2016	15-07-2016	1	3	1	4
34	CU59	Electromagnetic Wave	Anuradha De	11-07-2016	15-07-2016	1	8	2	10
35	CU60	PLC Programming and Applications	Sagarika Pal	11-07-2016	22-07-2016	2	1	17	36
36	CU97	Computer Numerical Controlled Machines: Constructional Features and Programming	Nirmal Kumar Mandal, Samiran Mandal	11-07-2016	22-07-2016	2		6	12
37	SPL02	Induction Training	Habiba Hussain, Urmila Kar	11-07-2016	21-07-2016	2		24	48
38	SPL03	Various Aspects of Laboratory Experiments	Dipankar Bose, Sagarika Pal, Tushar Kanti Dey	14-07-2016	16-07-2016	1	23		23
39	CU98	Turning, Milling & Drilling	Dipankar Bose, Samiran Mandal	18-07-2016	29-07-2016	2	19	3	44
40	PS05	Effective Teaching	Habiba Hussain	18-07-2016	29-07-2016	2	15	12	54
41	CU61	Power Generation from Energy Resources	Sheela Yadav Rai	25-07-2016	29-07-2016	1	1	6	7
42	CU62	Simulation and Analysis of Nonlinear and Adaptive Control Systems	Urmila Kar	25-07-2016	29-07-2016	1	6	1	7
43	CU63	Electrical Safety & Code of Practices	Prasanta Sarkar	25-07-2016	29-07-2016	1	7	4	11
44	CU09	Disaster Management	Uday Chand Kumar	01-08-2016	05-08-2016	1	1	13	14
45	CU99	Introduction to Robotics	Samiran Mandal	01-08-2016	05-08-2016	1	3	4	7

46	CU128	Water Quality, Purification and Health	Sailendra Nath Mandal	01-08-2016	12-08-2016	2		16	32
47	CU10	Laboratory Practice on Concrete Materials	Mithu Dey	08-08-2016	12-08-2016	1		4	4
48	PS06	Role of Technical Institutions in Community Development	Sheela Yadav Rai	08-08-2016	12-08-2016	1		8	8
49	CU101	CFD in Turbomachinery	Rayapati Subbarao	22-08-2016	26-08-2016	1	2	1	3
50	CU40	Introduction to Operating System	Indrajit Saha	22-08-2016	26-08-2016	1	3		3
51	CU67	Application of MATLAB Control System, Image Processing and Fuzzy Logic Tool Box	Sagarika Pal, Urmila Kar	22-08-2016	02-09-2016	2	7	3	20
52	PS07	Microteaching for improving teaching skills	Habiba Hussain	22-08-2016	26-08-2016	1	3	4	7
53	CU102	Collection and Analys of Experimental Data in Laboratory and Workshop	Nirmal Kumar Mandal	29-08-2016	02-09-2016	1	9	3	12
54	PS08	Development and Implementation of Staff Training Programme for Polytechnic Teachers	Sekhar Chakraborty	29-08-2016	02-09-2016	1		12	12
55	CU11	Drawing, Analysis and Design of structures by Limit State Method using software.	Mithu Dey	05-09-2016	16-09-2016	2		3	6
56	CU105	Computer Aided Design	Nirmal Kumar Mandal	19-09-2016	23-09-2016	1		4	4
57	CU129	Functional Textiles and Protections	Subrata Mondal	19-09-2016	23-09-2016	1	5	4	9
58	CU41	Compiler Design	Samir Roy	19-09-2016	23-09-2016	1	1	4	5
59	CU106	TIG & MIG Welding Process	Dipankar Bose	19-09-2016	30-09-2016	2	4	7	22
60	PS10	Quality Improvement in Institutional Activities	Sekhar Chakraborty	19-09-2016	30-09-2016	2	4	7	22
61	CU70	Semiconductor Devices & Solar PV Module	Anuradha De	26-09-2016	30-09-2016	1	3	4	7
62	CU130	Instruments to Measure Air and Water quality	Sailendra Nath Mandal	26-09-2016	07-10-2016	2		6	12
63	CU71	Laboratory & Workshop Manual for Electrical, Electronics and Instrumentation Engineering	Soumitra Kumar Mandal, Sagarika Pal	26-09-2016	07-10-2016	2	1	10	22
64	SPL (NSQF)	Training of Trainers in IT & ITes Sector under NSQF Scheme in West Bengal	Habiba Hussain, Urmila Kar	26-09-2016	30-09-2016	1		48	48
65	SPL (NSQF)	Training of Trainers in IT & ITes Sector under NSQF Scheme in West Bengal	Habiba Hussain, Urmila Kar	03-10-2016	07-10-2016	1		89	89
66	SPL (NSQF)	Training of Trainers in IT & ITes Sector under NSQF Scheme in West Bengal	Habiba Hussain, Urmila Kar	17-10-2016	21-10-2016	1		99	99
67	SPL (NSQF)	Training of Trainers in Automobile Sector under NSQF Scheme in West Bengal	Samiran Mandal, Rayapati Subbarao	17-10-2016	21-10-2016	1		38	38
68	SPL (NSQF)	Training of Trainers in Automobile Sector under NSQF Scheme in West Bengal	Samiran Mandal, Rayapati Subbarao	24-10-2016	28-10-2016	1		35	35
69	CU107	Mechanical Engineering Materials and Applications	Arpan Kumar Mondal	24-10-2016	28-10-2016	1		8	8
70	CU73	Industrial Automation using PLC, DCS & SCADA	Sagarika Pal	24-10-2016	28-10-2016	1	7	5	12
71	CU124	Polymer Composites and Nanocomposites	Subrata Mondal	24-10-2016	28-10-2016	1	7	1	8
72	SPL (NSQF)	Training of Trainers in Retail Sector under NSQF Scheme in West Bengal	Habiba Hussain, Urmila Kar, Sukanta Kumar Naskar	24-10-2016	28-10-2016	1		71	71
73	CU12	Analysis and Design of Shallow Foundations	Jagat Jyoti Mandal	31-10-2016	04-11-2016	1	2	5	7
74	SPL (NSQF)	Training of Trainers in Retail Sector under NSQF Scheme in West Bengal	Habiba Hussain, Urmila Kar, Sukanta Kumar Naskar	31-10-2016	04-11-2016	1		72	72
75	SPL (NSQF)	Training of Trainers in Automobile Sector under NSQF Scheme in West Bengal	Samiran Mandal, Rayapati Subbarao	31-10-2016	04-11-2016	1		43	43
76	CU108	Developments in Power Plants and Alternative Fuels	Rayapati Subbarao	07-11-2016	11-11-2016	1	2	1	3
77	MGT05	Problem Solving & Decision Making	Sukanta Kumar Naskar	07-11-2016	11-11-2016	1		27	27
78	CU42	Multimedia in Education Technology	Indrajit Saha	07-11-2016	18-11-2016	2		17	34
79	CU02	Finite Element Method in Civil Engineering	Jagat Jyoti Mandal, Tushar Kanti Dey	15-11-2016	25-11-2016	2	2	1	6
80	CU75	Electrical Machines and Drives	Soumitra Kumar Mandal	21-11-2016	25-11-2016	1		2	2
81	CU76	Applied Physics experiments with / without computer interfacing kit for young Engineers and Scientists	Anuradha De	21-11-2016	02-12-2016	2		8	16
82	SPL12	Laboratory Experimentation in Chemistry	Sailendra Nath Mandal	21-11-2016	25-11-2016	1		12	12
83	CU110	CAD/CAM	Nirmal Kumar Mandal	28-11-2016	02-12-2016	1	3	2	5
84	CU111	Development of Mechanical Engineering Laboratory Experiments & Instruction Sheets	Samiran Mandal	28-11-2016	02-12-2016	1	3	2	5
85	CU14	Waste Management	Sailendra Nath Mandal	28-11-2016	09-12-2016	2	2	6	16
86	CU112	Theory and Practices of Various Welding Processes	Arpan Kumar Mondal, Dipankar Bose	05-12-2016	09-12-2016	1	7	7	14
87	CU43	Mathematical Logic	Samir Roy	05-12-2016	09-12-2016	1	3	2	5

88	CU77	Renewable Energy Sources and Emerging Technologies	Sheela Yadav Rai	05-12-2016	09-12-2016	1	3	3	6
89	CU78	Modern Control & MATLAB Simulation	Prasanta Sarkar	05-12-2016	16-12-2016	2	3	1	8
90	SPL07	How to write Thesis or Research Paper	Rayapati Subbarao	05-12-2016	09-12-2016	1	2	1	3
91	SPL09	Image Processing using MATLAB	Indrajit Saha	05-12-2016	09-12-2016	1	11	1	12
92	MGT06	Research Methodology in Management	Sukanta Kumar Naskar	12-12-2016	16-12-2016	1	3	5	8
93	CU44	Design & Development of e-learning System	Rajeev Chatterjee	12-12-2016	23-12-2016	2	1	19	40
94	SPL10	SCILAB and Gnuplot for Engineers and Researchers	Kinsuk Giri	12-12-2016	16-12-2016	1	15	7	22
95	CU114	Manufacturing Process	Arpan Kumar Mondal	19-12-2016	23-12-2016	1	4		4
96	PS14	Outcome based Assessment	Habiba Hussain	19-12-2016	23-12-2016	1	15	6	21
97	CU79	Application of MATLAB in Electrical Engineering	Urmila Kar	19-12-2016	30-12-2016	2	4	1	10
98	CU20	Sustainable Rural Development – Alternative Source of Energy	Uday Chand Kumar, Jagat Jyoti Mandal, Mithu Dey	19-12-2016	23-12-2016	1		75	75
99	CU115	Fundamentals and Applications of Nanomaterials	Subrata Mondal	26-12-2016	30-12-2016	1	11	2	13
100	CU18	Surveying by Total Station	Santanu Bhanja	26-12-2016	30-12-2016	1	18	20	38
101	CU45	Mathematical and Technical Writing using LaTeX	Kinsuk Giri, Indrajit Saha	26-12-2016	30-12-2016	1	12	10	22
102	CU116	Computations and Optimization with MATLAB	Nirmal Kumar Mandal	26-12-2016	06-01-2017	2	13	3	32
103	CU80	Exposure on MATLAB	Anuradha De	26-12-2016	06-01-2017	2		2	4
104	CU81	LABVIEW & MATLAB Applications in Engineering	Soumitra Kumar Mandal, Sagarika Pal	26-12-2016	06-01-2017	2	8	2	20
105	CU19	AutoCAD for Engineers	Mithu Dey	02-01-2017	06-01-2017	1	7	13	20
106	CU46	Design of Payroll Systems using Oracle	Ranjan Dasgupta	02-01-2017	13-01-2017	2		8	16
107	CU21	Analysis and Design of Multi Storied Buildings using a Software Dedicated for Building Design only	Santanu Bhanja	09-01-2017	13-01-2017	1	2	2	4
108	CU82	Electrical Power System & Protection	Soumitra Kumar Mandal	09-01-2017	13-01-2017	1	6	4	10
109	CU117	Theory and Practice on Mechanical Testing of Metals	Arpan Kumar Mondal, Dipankar Bose	09-01-2017	20-01-2017	2		9	18
110	CU133	Operation and Maintenance of different Water and Petrochemical Testing Kits	Sailendra Nath Mandal	09-01-2017	20-01-2017	2	3	4	14
111	PS16	Soft Skills for Teachers	Habiba Hussain	09-01-2017	20-01-2017	2	7	9	32
112	CU22	Analysis & Design of Flexible Pavements	Jagat Jyoti Mandal	16-01-2017	20-01-2017	1	1	1	2
113	SPL13	Discrete Mathematics & its Applications	Kinsuk Giri	16-01-2017	20-01-2017	1	11	1	12
114	CU47	Computational Intelligence for Knowledge Extraction	Indrajit Saha, Samir Roy	16-01-2017	27-01-2017	2	28	2	60
115	CU86	Sensors, Transducers & Signal Conditioning	Sagarika Pal	06-02-2017	17-02-2017	2	2	2	8
116	SPL15	Reach to Unreach through Technical Institution	Uday Chand Kumar	06-02-2017	17-02-2017	2		25	50
117	CU87	Power Generation from Energy Resources	Sheela Yadav Rai	20-02-2017	24-02-2017	1	4	7	11
118	CU51	Introduction to Artificial Neural Networks	Samir Roy, Indrajit Saha	27-02-2017	03-03-2017	1	8	4	12
119	PS18	Assessment Tools for Outcome Based Education	Urmila Kar	27-02-2017	03-03-2017	1	9	16	25
120	CU52	Introduction to DBMS	Ranjan Dasgupta	06-03-2017	17-03-2017	2	9	6	30
121	CU122	Modern Welding Methods	Dipankar Bose, Shri Arpan Kr. Mondal	20-03-2017	31-03-2017	2		4	8
						TOTAL	553	1257	2363

VENUE: BHUBANESWAR EXTEN. CENTRE									
1	BBSR07	Software Application in Analysis and Design of Multi Storied RCC Buildings	Santanu Bhanja	16-05-2016	20-05-2016	1	2	9	11
2	BBSR09	Rural Engineering	Uday Chand Kumar	06-06-2016	10-06-2016	1		11	11
3	BBSR10	Advanced Process Control & Instrumentation System	Subrata Chattopadhyay	13-06-2016	17-06-2016	1	12	1	13
4	BBSR11	Induction Training	Subrata Chattopadhyay	11-07-2016	15-07-2016	1	4	8	12
5	BBSR12	Construction Management	Uday Chand Kumar	18-07-2016	22-07-2016	1		12	12
6	SPL	Beauty Culture & Cosmetology	Sukanta Kumar Naskar	19-09-2016	24-09-2016	1		3	3
7	BBSR20	MATLAB Application in Engineering	Sagarika Pal	17-10-2016	21-10-2016	1	3	16	19
						Total:	21	60	81
VENUE: GUWAHATI EXTEN. CENTRE									
1	GUW05	MATLAB Application in Engineering	Sagarika Pal	23-05-2016	27-05-2016	1	16	10	26
2	GUW06	Electromagnetic Wave	Anuradha De	30-05-2016	03-06-2016	1	12	5	17
3	GUW09	Design and Detailing of Reinforced Concrete Structural Elements	Jagat Jyoti Mandal	29-08-2016	02-09-2015	1	8	3	81241
4	GUW12	Cyber Security	Indrajit Saha	31-10-2016	04-11-2016	1	14	6	20
5	GUW14	Design and implementation of technical curricula in recent perspective.	Urmila Kar, Sukanta Kumar Naskar	15-11-2016	19-11-2016	1	20	4	24
6	GUW15	Estimating & Costing of Non-Conventional Energies	Sheela Yadav Rai	21-11-2016	25-11-2016	1	18	1	19
7	GUW18	Control Systems - Analysis & Design using MATLAB	Prasanta Sarkar	19-12-2016	23-12-2016	1	24	4	28
8	GUW19	Networking Principle	Rajeev Chatterjee	02-01-2017	06-01-2017	1	15	3	18
9	GUW22	Engineering Thermodynamics	Rayapati Subbarao	13-02-2017	17-02-2017	1	8	1	9
10	GUW26	Advanced Process Control & Instrumentation System	Subrata Chattopadhyay	27-03-2017	31-03-2017	1	11	1	12
						Total:	146	38	184

LIST OF IN-HOUSE TRAINING PROGRAMME

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Venue	State	Date		Dura-tion (Week)	Engg.	Poly.	Participants
						From	To				
1	IHP01	Instructional System: Design and Assessment	Urmila Kar	Dr. B. R. Ambedkar Govt. Polytechnic	A & N Islands	02-05-2016	12-05-2016	2		42	84
2	IHP02	Teaching Methodology	Habiba Hussain	Women's Polytechnic, Aizawl	Mizoram	16-05-2016	20-05-2016	1		33	33
3	IHP03	MATLAB	Sagarika Pal	Women's Polytechnic, Hapania	Tripura	06-06-2016	10-06-2016	1		40	40
4	IHP04	Advanced Pedagogy	Habiba Hussain, Urmila Kar	JIS College of Engg.	West Bengal	20-06-2016	25-06-2016	1	56		56
5	IHP05	Human Resource Management	Sukanta Kumar Naskar	Women's Polytechnic, Kohima	Nagaland	06-06-2016	16-06-2016	2	37		74
6	IHP06	Training & Development	Sukanta Kumar Naskar	Murshidabad Institute of Technology, Murshidabad	West Bengal	04-07-2016	08-07-2016	1		65	65
7	IHP07	Role of Technical Education in Implementation of Community Development programme	Sheela Yadav Rai	Govt. Polytechnic, Katihar	Bihar	14-07-2016	23-07-2016	2	3	33	72
8	IHP08	Institute on Quality Improvement in Institutional Achievement	Sekhar Chakraborty	Nazrul Centenary Polytechnic, Burdwan	West Bengal	18-07-2016	29-07-2016	2		27	54
9	IHP09	Outcome Based Education and Accreditation	Urmila Kar	Govt. College of Engg. & Textile Technology, Serampore, Hooghly	West Bengal	08-08-2016	19-08-2016	2	27		54
10	IHP10	Computations and Optimization with MATLAB	Nirmal Kumar Mandal	K. G. Engg. Institute, Bishnupur	West Bengal	05-09-2016	16-09-2016	2		40	80
11	IHP11	Effective Training	Sukanta Kumar Naskar	Cooch Behar Polytechnic	West Bengal	26-09-2016	05-10-2016	2		40	80
12	IHP12	Computer Aided Drafting and Software Application in Science & Engineering	Tushar Kanti Dey	Women's Polytechnic, Hapania	Tripura	17-10-2016	27-10-2016	2		48	96
13	IHP13	Design and Implementation of Outcome Based Curriculum	Urmila Kar, Habiba Hussain	MIT Academy of Engineering, Pune	Maharashtra	07-11-2016	11-11-2016	1	43	0	43
14	IHP14	Role of Technical Education in Implementation of Community Development Programme	Sheela Yadav Rai	Bhagalpur College of Engineering, Bhagalpur	Bihar	09-11-2016	18-11-2016	2	66		132

15	IHP15	E-Learning	Rajeev Chatterjee	Mayurbhanj School of Engineering	Odisha	11-11-2016	15-11-2016	1	50		50
16	IHP16	Laboratory Safety Management	Subrata Mondal	Govt. Polytechnic, Koderma	Jharkhand	17-11-2016	26-11-2016	2		63	126
17	IHP17	Student Mentorship	Habiba Hussain	CCCT Polytechnic	Sikkim	21-11-2016	25-11-2016	1		54	54
18	IHP18	Curriculum Design, Measurement & Evaluation	Urmila Kar, Sukanta Kumar Naskar	Annacharya Institute of Technology and Science, Tirupati	Andhra Pradesh	22-11-2016	27-11-2016	1	37		37
19	IHP19	Pedagogy	Urmila Kar, Samiran Mandal	Pailan College of Management & Technology	West Bengal	17-12-2016	22-12-2016	1	68		68
20	IHP20	Quality Improvement in Institutional Activities	Sekhar Chakraborty	Govt. Polytechnic, Dhanbad	Jharkhand	19-12-2016	30-12-2016	2	52		104
21	IHP21	Institutional Development	Sekhar Chakraborty	K. G. Engg. Institute, Bishnupu	West Bengal	09-01-2017	20-01-2017	2		61	122
22	IHP22	Fundamentals of Engineering Drawing	Mithu Dey	A.P.C. Roy Polytechnic, Kolkata	West Bengal	09-01-2017	20-01-2017	2		41	82
23	IHP23	Design of Question Bank for Effective Implementation of Technical Curriculum	Urmila Kar, Sagarika Pal	Muzaffarpur Institute of Technology, Muzaffarpur	Bihar	16-01-2017	26-01-2017	2	45		90
24	IHP24	Application on MaTLAB	Prasanta Sarkar	Ashoka Institute of Technology & Management, Varanasi	Uttar Pradesh	17-01-2017	21-01-2017	1	29		29
25	IHP25	Human Resource Management	Sukanta Kumar Naskar	Govt. Polytechnic, Ranchi	Jharkhand	30-01-2017	03-02-2017	1		50	50
26	IHP26	Drinking Water & Ambient Air Quality	Sailendra Nath Mandal	Mizoram Polytechnic	Mizoram	30-01-2017	09-02-2017	2		58	116
27	IHP27	Research Methodology	Samiran Mandal, Rayapati Subbarao	Lukhnow	Uttar Pradesh	30-01-2017	10-02-2017	2	32		64
28	IHP28	Iterative Presentation using Multimedia Tools and Document Creation with LaTeX	Indrajit Saha	Govt. Polytechnic, Dhanbad	Jharkhand	06-02-2017	15-02-2017	2		61	122
29	IHP29	Role of Pedagogy in Engineering Education and Curriculum Development	Urmila Kar, Habiba Hussain	Dibrugarh University Institute of Engg. & Technology, Dibrugarh	Assam	06-02-2017	16-02-2017	2	32		64
30	IHP30	Setting of Question Paper and Evaluating the Students Performance	Prasanta Sarkar, Soumitra Kumar Mandal	North Tripura District Polytechnic, Dharmanagar	Tripura	06-02-2017	16-02-2017	2		29	58
31	IHP31	Essentials of Outcome based Education	Habiba Hussain	Birla Institute of Technology, Mesra	Jharkhand	20-02-2017	24-02-2017	1	39		39
32	IHP32	Advanced Computer Aided Drafting	Mithu Dey	Hooghly Institute of Technology	West Bengal	20-02-2017	03-03-2017	2		39	78
33	IHP33	Fundamental of Computer Application for Engineering and Basic Science	Tushar Kanti Dey	Engineering Institute for Junior Executives, Howrah	West Bengal	27-02-2017	10-03-2017	2		35	70
34	IHP34	Development of Laboratory Instructional Manual	Dipankar Bose, Santanu Bhanja	Govt. Poly. Ranchi	Jharkhand	06-03-2017	10-03-2017	1		40	40
35	IHP35	Strategic Management Issues in Polytechnic Education	Sukanta Kumar Naskar	Govt. Polytechnic, Koderma	Jharkhand	02-03-2017	07-03-2017	1		43	43
36	IHP36	Effective Teaching	Habiba Hussain	MIT Academy of Engineering, Pune	Maharashtra	06-03-2017	10-03-2017	1	33		33
37	IHP37	Fundamental of Computer Application for Engineering and Basic Science	Mithu Dey	The Calcutta Technical School, Kolkata	West Bengal	14-03-2017	24-03-2017	2		38	76
38	IHP38	Community Development through Technical Institutes	Sheela Yadav Rai	Govt. Polytechnic, Gaya	Bihar	16-03-2017	20-03-2017	1		77	77
39	IHP39	Essentials of Outcome Based Education	Habiba Hussain, Rayapati Subbarao	Cambridge Institute of Technology, Ranchi	Jharkhand	20-03-2017	24-03-2017	1	43		43

40	IHP40	Skill Development in Laboratory & Workshop	Nirmal Kumar Mandal	M.B.C. Institute of Engineering & Technology	West Bengal	29-03-2017	0804-2017	2		35	70
							Total:		986	1782	2768

LIST OF E-LEARNING TRAINING PROGRAMME (ICT MODE)

Sl. No.	Code	Programme Title	Programme Co-ordinator	Date		Duration (Week)	Participants	
				From	To			
1	ICT10	Renewable Energy Sources and Emerging Technologies	Smt. Sheela Yadav Rai	13-12-2016	17-12-2016	1	177	
2	ICT05	Fundamentals of Limit State Method of Design of RC Structures with Special Emphasis on Earthquake Resistance	Dr. Santanu Bhanja	06-02-2017	10-02-2017	1	22	
3	ICT13	Safety Management in Chemical Laboratory	Dr. Subrata Mondal	27-02-2017	03-03-2017	1	69	
5	ICT09	Rural Engineering	Dr. Uday Chand Kumar	13-03-2017	17-03-2017	1	600	
6	ICT15	Design and Implementation of Outcome Based Curriculum	Dr. Urmila Kar	20-03-2017	24-03-2017	1	51	
							Total:	919

Individual Achievement Report

Sl. No.	Faculty Name	Offered Programme (Week)					Total	Program held	Trainees	Extra Classes (Session)	ICT Week	ICT Trainees	Grand Total
		Kol	BBSR	Guw	ICT	IHP							
1	A. De	14	1	1	1		17	9	78			78	
2	Arpan Kumar Mondal	8.5		2			10.5	4.5	32			32	
3	D Bose	6.5	1		1	0.5	9	6.34	91.67	0.5		91.7	
4	H. Hussain	10					8.5	18.5	20	660.66		661	
5	Indrajit Saha	6.5	1	1		2	10.5	10	249	3		249	
6	JJ Mandal	7	1.5	1	1		10.5	7.33	74			74	
7	Kinsuk Giri	6.5	1	1			8.5	4.5	74			74	
8	M. Majhi	8	1		1	6	16	10.33	291			291	
9	N K Mandal	10	1	1		4	16	13	220			220	
10	P. Sarkar	10	1	1	1	2	15	9	137			137	
11	R. Chatterjee	9	1	1.5		1.8	13.3	6.8	183.6			184	
12	R. Dasgupta	8					8	6	73			73	
13	Rayapati Subba Rao	8	1	1	1	2.3	13.3	11.8	185.1			185	
14	S Bhanja	6	2	1	1	0.5	10.5	3.5	73	1	22	95	
15	S Chakraborty	9	1	2		5.2	17.2	10.2	292.4			292	
16	S Chattopadhyay		8	1	1		10	5	47			47	
17	S K Mandal	8		2	1	1	12	9	91			91	
18	S K Naskar	8	2.5	2.5	1	6.7	20.7	15.7	408.57			409	
19	S Mandal	8	1	1		1	11	8.5	130	2		130	
20	S Pal	9	1	1	1	2	14	13.33	234.67	2		235	
21	S. N. Mandal	15	2	1	1	2	21	16	224			224	
22	Samir Roy	8	1	1			10	7.5	98			98	
23	Sheela Yadav Rai	8	1	1	1	5	16	11	338	1	177	515	
24	Subrata Mondal	6	1		1	2	10	7	170	1	69	239	
25	Tushar Kanti Dey	5.5	0.5	0.5		4	10.5	6.33	183.66			184	
26	U Kar	6	0.5	0.5	1	7.5	15.5	18	621.67	1	51	673	
27	U. C. Kumar	5.5	6		1		12.5	6.34	135	1	600	735	
Total:		214	38	25	16	64	357	256	5396	5	919	6315	

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) (currently known as Maulana Abul Kalam Azad University of Technology). At present, M. Tech. programmes are offered in four disciplines. Various statistics of M. Tech. programmes are given in Tables 6-8. The number of students enrolled in both the batches are evenly distributed. Further, all final year students who appeared the viva-voce examination could complete their courses successfully.

Table 6: Student Enrolment Status

Sl. No.	Name of Programme	Students admitted		
		2016-18 Batch	2015-17 Batch	Total
1.	Manufacturing Technology	23	18	41
2.	Mechatronics Engineering	13	21	34
3.	Structural Engineering	09	17	26
4.	Multi Media and Software System	09	07	16
Grand Total :		54	63	117

Table 7: Student Distribution under Different Categories

Sl. No.	Name of Programme	No. of Students on Roll							
		2016-18 Batch				2015-17 Batch			
		SC	ST	OBC	Minority	SC	ST	OBC	Minority
1.	Manufacturing Technology	3	1	5	3	4	-	7	5
2.	Mechatronics Engineering	-	1	2	2	3	-	6	4
3.	Multi Media and Software System	-	-	-	1	2	-	4	4
4.	Structural Engineering	1	1	2	-	-	-	6	1
Total :		4	3	9	6	9	-	23	14

Table 8: Students Performance

Sl. No.	Name of the Department	No. of M.Tech Students Appeared (2014-16)	No. of Students Awarded M.Tech (2014-16)
1.	Manufacturing Technology	18	18
2.	Mechatronics Engineering	17	15
3.	Multi Media and Software System	14	12
4.	Structural Engineering	07	07
Total :		56	52

List of M.Tech Students

2016-17 Batch

Structural Engineering Multimedia and Software System

Sudipta Das Sourav Dutta Shuvra Saha Samit Bhattacharya Monojit Mondal Indrajit Pahari Ashis Kumar Dutta	Tanay Ghosh Subha Sankar Chakraborty Sonam Biswas Sanchari ghatak Pritisha Sarkar Parinita dutta Nandita Gautam Ankita Majumdar
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Manufacturing Technology Mechatronics Engineering

Ujjwal Karmakar Sutanu Mondal Suman Kumar Mandal Sujay Majumder Souvik Sadhu Sourath Ghosh Sk Tohidul Box Rathijit Dey Rajesh Roy Nityanando Mahato Moubassir Mondal Md Sakib Iqbal Kunal Kumar Drupad Roy Dhiraj Kumar Biswajit Mondal Arun Kumar Aparesh Pati Anirban Mitra Anand Ranjan	Wasim Ahmed Subhajit Basistha Sk Md Faroque Santu Shit Manoj Kumar Garain Manish Kumar Imran Ali Chandan Mukherjee Anupam ghosh Aliprio Hazra
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2015-16 Batch

Structural Engineering Multimedia and Software System

Goutam Das Hasanur Rahaman Kaustav Bhattacharya Prantik Chatterjee Sayandip Ganguly Sumit Bose Vaibhav Kumar	Uptal Maji Nivriti Debnath Ashmita Dey Barsha Abhisheka Indrani Mukherjee Moumita Datta Nilasish Kumar Das Noor A Nabi Khan Samiran Biswas Sk Rejuan Ali Smrity Sarkar Sougata Samanta Souradip Dutta Swagata Karmakar Vandana Kumari
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Manufacturing Technology

Rajiv Kumar
 Ashish Sharma
 Chandan Kumar ghosh
 Gourab Bhattacharya
 Goutam Biswas
 Jhulan Kumar
 Jinnat Ali
 Khalil Abrar Barkati
 Mohitosh Mondal
 Munnu Upadhayay
 Prasenjit Patra
 Saikat Chatterjee
 Saikat nandi
 Sankar Das
 Shakil Ahamed
 Shekhar Majumder
 Sk Hedia
 Sk Md Akil

Mechatronics Engineering

Abdullah Alom
 Anridha Mandal
 Anushr dutta
 Jahir Abbas Mullick
 Kayes Ali Khan
 Moumita Dey
 Nabamita Majumder
 Piu Saha
 Saikat Pal
 Sajal Samanta
 Sandip Mahato
 Sanjukta Halder
 Sayan Bhattacharyya
 Shayeri Das
 Subhajit Chakraborty
 Tamal Bhattacharya
 Tomas Deb Adhikary

List of M.Tech Thesis

Sl. No.	Name of Candidate	Name of Supervisor/ Joint supervisor	Title of Dissertation
Electrical Engineering			
1.	Subhajit Saha	Soumitra K Mandal	Analysis of Load Sharing of Parallel Invertors in distributed AC Power system
2.	Sourav Bhunia	Prasanta Sarkar	SVPWM Base Vector control of PMSM Drive in Delta Domain
3.	Saramana Chakraborty	Sagarika Pal	Performance Assessment and comparative Analysis of Tuning Methods for PID Controller Parameters used for DC Motor
4.	Subhajit Bhattacharaya	Soumitra K Mandal	Analysis of Chaos in Permanent Magnet DC Motor Drives
5.	Md. Kamaruzzaman	Soumitra K Mandal	A noble approach for Leakage Power system Reduction Techniques in CMOS VLSI Circuits
6.	Netai Patra	Prasanta Sarkar	Model Order Reduction in Delta Domain using the method of Krylov subspace
7.	Rakesh Roshan Sheikh	Prasanta Sarkar	Reduced Order Modelling of Fractional Order system in Delta Domain
8.	Sandeep Kumar Swarnakar	Sagarika Pal	Performance analysis of FLC & Microcontroller based on PID Controller for speed control of DC Motor
9.	Anima Pramanik	Phalguni Gupta	Human Recognition using 2D Ear Biometric
10.	Ankita Singh	Prasanta Sarkar	A Study on Speed Control of PMDC Motor using Analogy PID Controller
11.	Arindam Mandal	Prasanta Sarkar	Fictitious reference iteration Tuning of Controller in Delta Domain
12.	Gourab Kumar Bharati	S.K.Mandal	Design & Development of Robot for Video Streaming
13.	Asutosh Kumar Bachhan	Phalguni Gupta	Automatic License Plate Recognition using Local Binary Pattern and Histogram Matching
14.	Asif Iqbal	Prasanta Sarkar	A Comparative study on approximation method on Fractional order and Digital Realization of Fractional operator in Delta Domain
15.	Dibuendu Karmakar	Sagarika Pal	Fingerprint Recognition based on crossing number concept and minutia score matching
Civil Engineering			
1.	Ankan Karmakar.	Mithu Dey, Santanu Bhanja	Development of design aids in flexure and compression with uniaxial and biaxial bending from fundamental assumptions of limit state design
2.	Arup Kumar Das.	Jagat Jyoti Mandal	Effect of column spacing on foundation cost
3.	Jagaman Dutta.	Jagat Jyoti Mandal	Comparative study of design of raft foundation by various methods
4.	Md. Rehan Ahmed.	Santanu Bhanja	Effect of brick masonry walls on behavior of buildings under seismic forces
5.	Souvik Munshi.	Santanu Bhanja	Performance of reinforced concrete frame and frame-shear wall buildings under seismic forces
6.	Supriya Roy.	Jagat Jyoti Mandal	Estimation of elastic settlement of annular raft foundation
7.	Tomas Mondal.	Mithu Majhi	Sand replacement by fly ash in concrete - problems and prospects

Sl.No.	Name of Candidate	Name of Supervisor/ Joint supervisor	Title of Dissertation
Computer Science & Engineering			
1.	Ankita Podder	Rajeev Chatterjee	An algorithmic approach to design user-interface and fetch learning style of a learner in e-learning system
2.	Tanushree Bhadra	Rajeev Chatterjee	An E-learning Approach towards User Interface Design Framework and Analysis of Individual Contribution in Collaborative Work
3.	Smita Banerjee	Rajeev Chatterjee	Skill Set Development Model and Deficiency Diagnosis Measurement Using Fuzzy Logic
4.	Monalisa Mandal	Rajeev Chatterjee	Energy Aware Optimal Routing Technique using Fuzzy Logic in Ad Hoc Network
5.	Jahir Abbas Ansary	Samir Roy	Complex triangle detection and elimination on plane triangulated graph
6.	Sunny Biswas	Samir Roy	Design & Implementation of confidence based Intelligent e-Learning (CBiEL) System
7.	Sukanta Ghosal	Samir Roy	Design and Implementation of an Efficient Algorithm to Find the boundary Region of a Rough Set
8.	Kumari Jugnu	Samir Roy	Importance of Different Facial Components in Gender Detection
9.	Vikash Sawan	Samir Roy	The Maximum Clique Problem and Its Solutions
10.	Sampa Debnath	Ranjan Dasgupta	Reducing Creation Time of Balanced Point Quad-tree
11.	Sarbani Ghosh	Ranjan Dasgupta	A Strategy to Update Clustered Database
12.	Paramita Goswami	Ranjan Dasgupta	Design of an Architectural Framework for Providing Quality of Services in Cloud Environment
13.	Barnita Mahata	Ranjan Dasgupta	Optimization of Mutual Information Estimation for Medical Image Registration of CT and MRI Datasets
14.	Saurav Maity	Ranjan Dasgupta	A Fuzzy Logic Approach to Estimate the Average Waiting Time of a Five Point Junction
Mechanical Engineering			
1.	Abu Huraira Biswas	Samiran Mandal	Study of Mechanical and Tribological Properties of Al-Cu-Mg Alloy Produced by Powder Metallurgy Process.
2.	Amikar Sinha	Samiran Mandal	Study on The Effect of Supply Pressure and Air Flow Rate on Lifting Force and Energy Consumption Rate of A Bernoulli Gripper For Lifting of Object With Rough Surfaces.
3.	Amit Kumar Mondal	Dipankar Bose	Optimization of Process Parameters in Dissimilar Joining of Mild Steel and Stainless Steel by TIG Welding.
4.	Amit Ratan Biswas	Dipankar Bose	Study of Parametric Effects on Mechanical Properties of AISI 304 and 45C8 Welded Joint Using GMAW.
5.	Avijit Pramanik	Nirmal Kumar Mandal	Mathematical Modelling and Performance Analysis of High Speed CNC Turning at AISI 4140 Alloy Steel.
6.	Avik Bhadra	Samiran Mandal	Study of Effect of Process Parameters on Mechanical and Tribological Properties of Tungsten Based HSS Cutting Tool Through Powder Metallurgy Route.
7.	Bidhan Chandra Sarkar	Nirmal Kumar Mandal	Predictive Modelling of Tool Wear and Surface Roughness in CNC Hard Turning.

Sl. No.	Name of Candidate	Name of Supervisor/ Joint supervisor	Title of Dissertation
8.	Chandan Kumar Mondal	Dipankar Bose, Arpan Kumar Mondal	Experimental Investigation of The Mechanical Properties of Submerged Arc Welded Mild Steel Joint.
9.	Kazi Sayeed Tanbir	Samiran Mandal	Study of Mechanical and Tribological Properties of Aluminium Alloy Based Metal Matrix Composites by Powder Metallurgy Process.
10.	Krishna Gopal Addya	Samiran Mandal	Adaptive Design and Development of the proof-of-concept model of a Trimmer Using Morphological Chart.
11.	Krishnandu Biswas	Dipankar Bose	Optimization of Process Parameters for GMAW of Aluminium Alloy & Steady State Thermal Analysis.
12.	Kunal Dey	Dipankar Bose, Nirmal Kumar Mandal	Optimization of Process Parameters for Inconel 718 by WEDM in Achieving Dimensional Accuracy.
13.	Manish Thakur	Rayapati Subba Rao	Thermal and Structural Analysis of Gas Turbine Blade Made of Ni Based Super Alloy.
14.	Nirupam Mondal	Dipankar Bose, Arpan Kumar Mondal	Development of a New Heat Source Model and Thermo-Mechanical Analysis of Submerged Arc Welding.
15.	Partha Sarthi Ghosh	Nirmal Kumar Mandal	Empirical Modelling and Optimization of Temperature and Machine Vibration in CNC Hard Turning.
16.	Samrat Mandal	Rayapati Subba Rao	Thermal Analysis of MIG Welded Joints.
17.	Thia Paul	Dipankar Bose, Nirmal Kumar Mandal	Generation of Miniature Gear by CNC Wire Cut EDM Process.
18.	Vivekananda Halder	Dipankar Bose	Study of The Effects of Fluxes on The Mechanical Properties of A-TIG Welded Joints of AISI-304 Stainless Steel.

C) Educational Video Films for Gyandarshan Channel

Table 9 shows the list of video films developed by NITTTR, Kolkata and these films were sent to Gyandarshan TV Channel for telecasting.

Table 9: Information of Video films Developed

Sl. No.	Title of Video Film	Contributor/Content Expert
1.	Constructing Test Item Part-III	Dr. Sagarika Pal, NITTTR, Kolkata
2.	Introduction to Strategic Management	Shri S K Naskar, NITTTR, Kolkata
3.	Training Needs Assessment	Shri S K Naskar, NITTTR, Kolkata
4.	Vitamin - A Brief Story Part- I & II	Dr. Lalitagauri Ray, JU, Kolkata
5.	Business Economics Lecture-I & II	Dr. Udayan Basu, NSHM, Kolkata
6.	Circle Part – I & II	Dr. Kinsuk Giri, NITTTR, Kolkata
7.	Microteaching Part - I	Dr. Habiba Hussain, NITTTR, Kolkata
8.	Thermodynamics Part – I & II	Dr. R Subbarao, NITTTR, Kolkata
9.	Environmental Engineering Part I - III	Dr. Swami Vedajnananda, HIT, Kolkata
10.	How to write Project Report/Thesis Part I - IV	Dr. R Subbarao, NITTTR, Kolkata
11.	Pair of Straight Lines	Dr. Kinsuk Giri, NITTTR, Kolkata

D) Workshops Conducted during Academic year 2016-17:

NITTTR, Kolkata conducted 20 workshops on various topic related to Management, Community Development and Curriculum Development and Implementation. There are 494 Trainees attended these workshops. The distribution based on content area is shown in Figure 17.

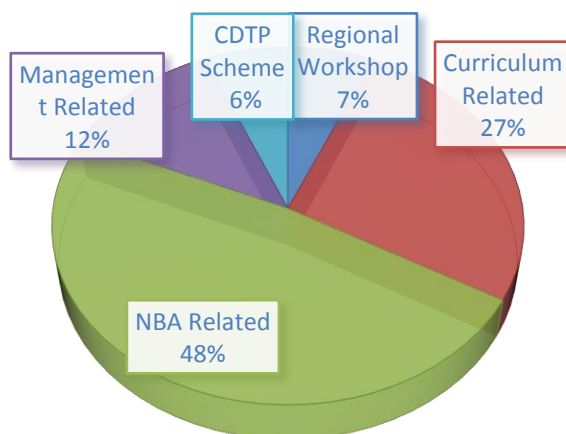


Figure 17: Distribution on Types of Workshops

Faculty and Officers in Position

Department of Civil Engineering	Department of Mechanical Engineering
Professor and Head	Professor and Head
Uday Chand Kumar, Ph.D.	Dipankar Bose, Ph.D.
Professors	Professor
Jagat Jyoti Mandal, Ph.D.	Samiran Mandal, Ph.D.
Santanu Bhanja, Ph.D.	Associate Professor
Sailendra Nath Mandal, Ph.D.	Nirmal Kumar Mandal, M.Tech
Assistant Professor	Assistant Professor
Mithu Majhi, M.Tech	Subrata Mondal, Ph.D.
Tushar Kanti Dey, Ph.D.	Rayapati Subha Rao, Ph.D
Department of Computer Science & Engineering	Arpan Kumar Mandal, M.Tech
Professor and Head	
Samir Roy, Ph.D.	Administration
Professor	Sr. Administrative Officer
Ranjan Dasgupta, Ph.D.	Shri A K Chakraborty, MBA
Assistant Professor	
Rajeev Chatterjee, M.Tech	Technology Development Cell
Indrajit Saha, Ph.D.	Sr. Technical Officer
Kinsuk Giri, Ph.D.	Sandesh Gupta, Ph.D.
Department of Education and Management	Technical Officer
Professor and Head	Avijit Kundu, M.Tech
Sekhar Chakraborty, Ph.D.	Research Assistant
Professor	Ashadur Rehaman, M.Tech
Urmila Kar, Ph.D.	
Associate Professor	Instate of Future Learning
Sukanta Kumar Naskar, M.Tech	Production Officer
Assistant Professor	Yagamaya Das,
Habiba Hussain, Ph.D.	
Department of Electrical Engineering	
Professor and Head	
Anuradha De, Ph.D	
Professor	
Prasanta Sarkar, Ph.D.	
Soumitra Kumar Mandal, Ph.D.	
Subrata Chattopadhyay, Ph.D.	
Assistant Profeseor	
Sagarika Pal, Ph.D.	
Sheela Yadav Rai, M.Tech	

Staff Members in Position

1	Ashok Paul, LDC	33	Shri Prasad Bhanu, Assistant
2	Animesh Shome, UDC	34	Shri Prasanta Paul, Industrial Photographer
3	Anokhi Balmiki, MTS	35	Shri Priyatosh Dey, MTS
4	Anup Kumar Saha, Assistant	36	Shri Radhanath Rout, MTS
5	Ashis Dogra, UDC	37	Shri Rajendra Singh Bisht, MTS
6	Ashish Kumar Das, Technician Gr. I	38	Shri Rajpal Balmiki , MTS
7	Bapi Sadhukhan, MTS	39	Shri Ramanuj Dutta Ray, Superintendent
8	Bijoy Guchhayut, MTS	40	Shri Ranjit Mukherjee, MTS
9	Bisan Pradhan Bahadur, MTS	41	Shri Sanjit Kumar Dutta, MTS
10	Bishu Das, MTS	42	Shri Sanjoy Sen, LDC
11	Chandi Das Mandal, MTS	43	Shri Sankar Ch. Mukherjee, A V Technician
12	Chinmoy Jana, DTP Operator	44	Shri Sati Nath Mitra, Jr. Technician
13	Dipali Paramanik, UDC	45	Shri Satyaki Kar Gupta, Jr. Technical Assistant
14	Dasharath Mandim, MTS	46	Shri Shyamal Murari, MTS
15	Debashis Shaw, JTA	47	Shri Shyamapada Mandi, UDC
16	Dipak Gupta, Assistant	48	Shri Siris Mandal, MTS
17	Dulal Chandra Naskar, MTS	49	Shri Siru Murmu, MTS
18	Ganesh Mandal, MTS	50	Ms Soma Bhattacharyya, UDC
19	Gobordhon Mandal, UDC	51	Shri Sofiul Anam, Sr. Technical Officer
20	Indrajit Nandi, UDC	52	Shri Sourav Ray Chowdhury, LDC
21	Joseph Bhutia, UDC	53	Shri Subir Basak, Steno. Gr. I / PA to Director
22	Joydeb Patra, MTS	54	Shri Subrata Mitra, Superintendent
23	Joydeep Banerjee, Superintendent	55	Shri Sumit Roy Chowdhury
24	Kallol Modok, Sr. Technical Assistant	56	Shri Sunil Ghosh, MTS
25	Khokon Mandal, MTS	57	Shri Swapan Dey, Accountant
26	Mainak Mandal, EDP Operator	58	Shri Swapan Halder, MTS
27	Nantu Hazra, MTS	59	Shri Swapan Majumdar, MTS
28	Netai Kumar Sarkar, Lab Technician	60	Shri Swarup Chand Bala, Assistant
29	Nirmal Sarkar, MTS	61	Shri Tapas Jana, MTS
30	P. D. Siodiya, Technical Gr. I	62	Shri Tapas Sarkar, Lab Technician
31	Paresh Sarder, MTS	63	Shri Utpal Chakraborty, Lab Technician
32	Pradeep Nayek, Jr Technical Assistant	64	Shri Uttam Dutta, MTS

Publications

Book/Book Chapter

1. Surya Prakash, **Phalguni Gupta**, Raghunath Tiwari, Algorithms and Their Design, in Decision Sciences: Theory and Practice, Raghu Nandan Sengupta, Aparna Gupta, Joydeep Dutta (Eds), Taylor & Francis Group, 2016
2. Surya Prakash, Kamlesh Tiwari, **Phalguni Gupta**, Biometrics Using Scale Invariant Feature Transform, Mihai Peterca & Cassandra Strickland (Eds) in Wiley Encyclopedia of Electrical and Electronics Engineering., 2016

Journals

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- 2 A. Deb and S. K. Chakrabarti, K. Giri, "Numerical Simulation of Vertical Oscillations in an Axisymmetric Thick Accretion Flow around a Black Hole", Monthly Notices of the Royal Astronomical Society, Oxford University, Press, Volume 462(4), pp 3502-3510, 2016
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- 10 S. Chakraborty, B. C. Biswas, N. K. Mandal, "Development of an Effective Uncemented Femoral Stem Implant With CNC Ball End Milling", International Journal of Machine Design and Manufacturing, Vol. 2(2), pp 18, 2016
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- 12 Arpan Kumar Mondal, Pankaj Biswas and Swarup Bag, "Experimental and FE analysis of submerged arc weld induced residual stress and angular deformation of single and double sided fillet welded joint" International Journal of Steel Structures, Springer, Vol. 17(1), pp 9-18, 2017
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- 14 Subrata Mondal, "Preparation, properties and applications of nanocellulosic materials", Carbohydrate Polymers, Vol. 163, pp 301-316, 2017
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- 16 Souvik Kumar Dolui and Soumitra Kumar Mondal, "Smart Metering in Power Distribution System", International Journal of Development Research, Vol.6(8), pp 8851-8855, 2016
- 17 Souvik Kumar Dolui and Soumitra Kumar Mondal, "Smart Grid Technology for Efficient and Reliable Power System Operation and Control", INROADS, Vol. 5(1s), pp 260-265, 2016
- 18 Sai Sarath K, Sai Nikhil Velpula, Manideep Parmi and R. Subha Rao, "Experimental Studies Involving Flow Visualization over Non-circular Geometries", Recent Advances in Chemical Engineering, pp 21-28, 2016
- 19 B. Ashok, R. Thundil Karuppa Raj, K. Nanthagopal, R. Krishnan and R. Subha Rao, "Lemon peel oil - a novel renewable alternative energy source for diesel engine", Journal of Energy Conversion and Management, Vol. (139), pp 110–121, 2017

Conferences

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- 2 Chandan Kr. Mondal, Dipankar Bose, Pankaj Biswas, Swarup Bag, Arpan Kumar Mondal, “Effect of surface activating elements on weld bead geometry of mild steel welds by submerged arc welding”, National Welding Seminar 2016, December 2016, Kolkata
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- 4 K. Mandal. S.Sarkar, S.Mitra, D. Bose, Experimental Observation of Surface Integrity for Inconel 718 with the aid of Wire EDM and Sensitivity Analysis of Process Parameters, 6th International & 27th All India Manufacturing, Design and Research Conference (AIMTDR-2016), December 2016, Pune
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- 7 Chandan Kr. Mondal, Dipankar Bose, Pankaj Biswas, Swarup Bag, R. Subha Rao, “Effect of surface
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- 13 M. Bandyopadhyay, N. Mandal, Subrata Chattopahyay, “GSM-GPS Based Security System and Its Implementation as Anti-Theft System in Automobiles”, Second International Conference on Sensors and Electronic Instrumental Advances [SEIA 2016], organized by IFSA Publishing, ASAME and EXCELERA, September 2016, Barcelona
- 14 Anupam Chakrabarti and T. K. Dey, “Optimum Design of FRP Bridge Deck Based on Genetic Algorithm”, 7th International Conference on Advanced Composite Materials in Bridges and Structures (ACMBS-VII), August 2016, Vancouver
- 15 K. Giri, Time Evolution of a Rotating Gas Ring around a Black Hole in Presence of Viscosity and Cooling”, 41st COSPAR Scientific Assembly, August 2016, Istanbul
- 16 A. Deb, S. K. Chakraborty, K. Giri, “Dynamics of magnetic flux tubes in an advective flow around black a hole”, 41st COSPAR Scientific Assembly, August 2016, Istanbul
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- 19 Kamlesh Tiwari, C J Hwang, Phalguni Gupta, A Palmprint Based Recognition System for Smart Phone, Future Technologies Conference (FTC), December, 2016, San Francisco
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- 21 Kamlesh Tiwari, Vandana Dixit Kaushik, Phalguni Gupta, “An Adaptive Multi-Algorithm Ensemble For Fingerprint Matching”, International Conference on Intelligent Computing, August 2016, China
- 22 Apurba Gorai, Rajarshi Pal, Phalguni Gupta, “Document Fraud Detection by Ink Analysis using Texture Features and Histogram Matching”, IEEE International Joint Conference on Neural Networks (IJCNN) (IEEE World Congress on Computational Intelligence (IEEE WCCI)), July 2016, Vancouver
- 23 Kamlesh Tiwari, Phalguni Gupta, “Meandering Energy Potential to Locate Singular Point of Fingerprint”, The 9th IAPR International Conference on Biometrics (ICB 2016) June 2016, Halmstad
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- 25 Gargi Basu and Urmila Kar, Impact Instruction on binary Multipliers using Simulink to improve Cognitive ability, IEEE Educon Global Engineering Education 2016, April 2016, Abu Dhabi
- 26 Benjamin Das, N. Yadaiah, Rupshree Ozah, Sohini Chowdhury, M. Muralidhar, Arpan Kumar Mandal, "A Perspective Review on Estimation of Keyhole Profile during Plasma Arc Welding Process", 7th international conference on materials processing and characterization 2017 (ICMPC-2017), March 2017, Hyderabad
- 27 Jagaman Dutta, J. J. Mandal, Comparative Study of Design of Raft Foundation by Various Methods, Indian Geotechnical Conference IGC2016, Indian Geotechnical Conference IGC2016, December 2016, Chennai
- 28 Kunal Dey, Sadananda Chakraborty, Nirmal Kumar Mandal, D. Bose, "Development of Semi Empirical Model of MRR and Surface Roughness in WEDM of Inconel 718 using Dimensional Analysis", 6th International & 27th All India Manufacturing, Design and Research Conference (AIMTDR-2016), December 2016, Pune
- 29 Thia Pal, Sadananda Chakraborty, Nirmal Kumar Mandal, D. Bose, "An Experimental Investigation on Development of Miniature Spur Gear by WEDM of Inconel 718", 6th International & 27th All India Manufacturing, Design and Research Conference (AIMTDR-2016), December 2016, Pune
- 30 Gargi Maitra Chakraborty, Saroj Kumar Das and S N Mandal, "Removal of Fluoride from ground water by Adsorption using Industrial Solid Waste (Fly Ash)", International Conference on Pure and Applied Chemistry(ICPAC-2016), July 2016, Mauritius
- 31 Subhajit Bhattacharya and Soumitra Kumar Mondal, "Analysis of Chaotic Behaviour in DC Chopper FED DC Drive", International Conference on Innovative Advancements in Engineering and Technology IAET 2016, April 2016, Jaipur
- 32 Subhajit Bhattacharya and Soumitra Kumar Mondal, "Analysis of Switching Loss in Chaotic and non-Chaotic State of PMDC Drive", ICEES 2016, Kolkata.....
- 33 Md. Kamaruzzaman and Soumitra Kumar Mondal, "A Novel Approach for Leakage Power Reduction Techniques in CMOS VLSI Circuits", 12th IRF International Conference, June 2016, Hyderabad
- 34 Souvik Kumar Dolui and Soumitra Kumar Mondal, "Smart Grid Technology for Efficient & Reliable Power System Operation & Control", International Conference on Innovative Advancements in Engineering and Technology IAET 2016, April 2017, Jaipur
- 35 Jitesh Prasad Khatick and Soumitra Kumar Mondal, "Access Database Using Natural Language to Create SQL Query", 7th National Conference on Indian Language Computing, Cochin University of Science and Technology, February 2017, Kochi
- 36 Falguni Gopmandal, S. Pal, "Comparative Analysis of Different Strategies of Image Fusion using Fuzzy logic", National Conference on Recent Innovations in Computer Science & Communication Engineering (RICCE 2016), July 2016, Kolkata
- 37 Samrat Mandal and R. Subha Rao, "Temperature and Residual Stress Analysis of Welded Joint of Different Grades of Stainless Steel", 4th International Conference on Production and Industrial Engineering (CPIE – 2016), December 2016, Jalandhar
- 38 Soumyadeep Samonto, Subrata Banerjee, S. Pal, "FIS incorporated Microcontroller based MCB", 2016 IEEE International Conference on Intelligent Control, Power and Instrumentation, RCC Institute of Information Technology, October 2016, Kolkata
- 39 K.Saisarat, I.D.Murty, Ravi Gujjula and R. Subha Rao, "Influence of Heat Treatment on Mechanical and Micro Structural Properties of Titanium Alloys for Enhanced Applications", International Conference on Advancements in Materials for Manufacturing (ICAAMM 2016), June 2016, Hyderabad
- 40 K. Ashokachary, D. Gopi and R. Subha Rao, "Study of flow physics over cylinders for improved performance of wind turbines", International Conference on Trends and Advanced Research in Green Energy Technologies (ICTARGET-2017), March 2017, Chennai
- 41 K.Saisarath and R. Subha Rao, "Viability of biofuels as an alternative to petroleum based fuels in an internal combustion engine for transportation", International Conference on Trends and Advanced Research in Green Energy Technologies (ICTARGET-2017), March 2017, Chennai
- 42 Sadananda Chakraborty and R. Subha Rao, "Microscopic studies on the characteristics of different alloys suitable for gas turbine components", International Conference on Materials Manufacturing and Modelling (ICMMM - 2017), March 2017, Chennai
- 43 Sai Sarath Kruthiventi, M.Chiranjeevi, Abid Ali and R. Subha Rao, "Computational and experimental studies on the flow arrangement over flat plates of different configurations", 1st international and 18th ISME Conference on Enabling Sustainable Development (ISME 2017), February 2017, Warangal
- 44 A. Lancucki, S. S. Bhowmick, U. Maulik and P. Lipinski, I. Saha, "A New Evolutionary MicroRNA Marker Selection using Next-Generation Sequencing Data", Int. IEEE Conf. on Evolutionary Computing (IEEE CEC), July 2016, Vancouver
- 45 S. S. Bhowmick, U. Maulik, D. Bhattacharjee, I. Saha, "Biomarker Identification Using Next Generation Sequencing Data of RNA", 5th Int. Conf. on Computing, Communications and Informatics (ICACCI), September 2016, Jaipur
- 46 S S Bhowmick, L. Rato and D. Bhattacharjee and I. Saha, "Integrated Classifier: A tool for Microarray Analysis", Int. Conf. on Computation Intelligence, Communications and Business Analytics (CICBA), March 2017, Kolkata

Infrastructure Development

Sl. No.	Name of work	Value of work (Rs. In lakh)	Payment made up to 31/03/2017	Status of work up to 31/03/2017	Start date	End date
LADIES HOSTEL AT FC BLOCK CAMPUS						
1	Construction of (G+2) Ladies Hostel at FC Block Campus	556.54	167.00	Out of 84 piles 45 have been completed up to 31/03/2017.	April 2016	Work in progress.
EXECUTIVE HOSTEL BLDG. AT FC BLOCK CAMPUS						
2	Extension of Dining Hall, Kitchen and provision of Waiting lounge at ground floor of Executive Hostel.	28.38	26.38	Almost completed.	February 2016	Almost completed as on 31/03/2017
3	Extension of Dining hall, Kitchen and provision of waiting lounge at ground floor of Executive Hostel.(Electrical)	12.76	6.38	70 % work completed	July 2015	Work in progress as on 31/03/2017
4	Extension of Dining hall, Kitchen and provision of waiting lounge at ground floor of Executive Hostel— Reconstruction of the existing kitchen	20.22	8.09	20 % work done.	March 2017	Work in progress
5	Providing and fixing of fibre glass reinforced plastic sheet roofing over open courtyard of executive	7.05	Nil	Almost completed.	August 2016	Almost completed as on 31/03/2017
HOSTEL NO.-2 AT FC BLOCK CAMPUS						
6	Renovation of Block A (Front side) of Hostel No.-2	27.198	26.198	Work completed	September 2015	Jan. 2017
7	Renovation of Block B (Back side) of Hostel No.-2	29.888	28.888	Work completed	September 2015	Jan. 2017
8	Renovation of Kitchen and dining hall block of Hostel No.-2	15.357	14.357	Work completed	November 2015	Jan. 2017
9	Structural strengthening by guniting method including waterproofing treatment of Block-B (Back side) of Hostel No-2	9.319	8.319	Work completed	November 2015	Jul. 2016
10	Structural strengthening by guniting method including waterproofing treatment of Block-A (front side) of Hostel No-2	15.703	14.703	Work completed	November 2015	Jul. 2016
11	Renovation /up gradation of Electrical work of Hostel No.-2	23.51	9.40	Work completed	June 2016	Jan. 2017
12	Renovation of ground floor room flooring at front and back side of hostel No.-2	3.774	2.774	Work completed	August 2016	Sept. 2016
AUDITORIUM AT FC BLOCK CAMPUS						
13	Repairing, renovation and painting of existing Auditorium (strengthening of structure and roof treatment)	23.00	22.00	Work completed	June 2015	Jul-2016
14	Repairing/Up gradation of existing auditorium stage green room etc.	23.22	14.86	Almost completed.	Nov. 2015	Almost completed as on 31/03/2017
15	Repairing/Up gradation of existing auditorium hall.	19.61	12.55	Work completed	Nov. 2015	Nov. 2016
16	Renovation of existing Auditorium at NITTTTR, FC Block-Acoustic work for Auditorium.	65.21	26.08	50 % work done.	Nov. 2016	Work in progress.

Sl. No.	Name of work	Value of work (Rs. In lakh)	Payment made up to 31/03/2017	Status of work up to 31/03/2017	Start date	End date
17	Repairing/Up gradation of existing auditorium –Providing sound reinforcement system, stage lighting, fire alarm system, air-conditioning including general lighting in Auditorium hall.	73.08	29.23	25 % work done.Materials reached at site.	Nov-2016	Work in progress.
18	Repairing/Up gradation of auditorium approach road and its surrounding	44.32	17.73	Not yet started.	—	Not yet started.
19	Providing and fixing exterior Façade (Louvers) to existing Auditorium.	57.36	23.00	Not yet started.	—	Not yet started.
20	Renovation of existing Auditorium – Providing stage Drapery.	10.715	Nil	Not yet started.	—	Not yet started.
21	Renovation of existing Auditorium – Synthetic sports surface flooring.	11.22	Nil	Not yet started.	—	Not yet started.
DN-61 CAMPUS						
22	Renovation/Up gradation of 4 nos. Staff qtrs.(type-II).	15.94	14.94	Work completed	Jan-2016	Sept-2016
23	Renovation/Up gradation of 8 nos. Staff qtrs.(type-I)	24.59	23.59	Work completed	Feb-2016	Nov.2016
24	Renovation/Up gradation of 8 nos. Staff qtrs.(type-II)	29.79	19.07	60 % work done	Jan-2017	Work in progress.
25	Renovation/Up gradation of 4 nos. Assistant Professor's qtrs. (right side of stair including stair block)	22.42	8.97	60 % work done	Oct.2016	Work in progress.
26	Renovation/Up gradation of 4 nos. Assistant Professor's qtrs. (left side of stair)	18.879	17.87	Almost completed.	Sept.2016	Almost completed as on 31/03/2017
DN-61 CAMPUS						
27	Renovation/Up gradation of 4 nos. Associate Professor's qtrs. (right side of stair including stair block)	24.00	23.00	Work completed	Sept.2015	April 2016
28	Renovation/Up gradation of 4 nos. Associate Professor's qtrs. (left side of stair)	20.11	19.11	Work completed	Sept.2015	April 2016
29	Repairing, painting of Boundary wall including gates and construction of car parking near garbage vat at DN-61 Campus.	17.80	7.12	60 % work done.	Dec.2016	Work in progress.
30	Repairing and painting of Community Hall and Guard Room including Pump Room at DN-61 Campus.	21.67	8.67	10 % work done.	Mar.2017	Work in progress.
TOILETS FOR ACDEMIC BUILDING AT FC BLOCK CAMPUS						
31	Repairing of toilets for Old Administrative Building	27.32	25.32	Work completed	June 2014	March 2017
32	Repairing of toilets for New Administrative Building	39.00	38.00	Work completed	Sept.2014	Dec. 2016
FC BLOCK CAMPUS WORKS						
33	Internal repairing & painting of 07 nos. type-II Staff qtrs. and 03 nos. type-I Staff qtrs. at FC Block Campus.	17.18	6.87	30 % work done.	Sept.2016	Work in progress.
34	Waterproofing of New Academic Building roof and Environmental Pollution Control Lab and construction of Ramp for the PWD at ground floor.	20.655	8.26	20 % work done.	Mar.2017	Work in progress.
35	SITC of VRF type Air-Conditioning units in the Academic Building for NITTTR, Kolkata	72.85	29.14	5 % work done.	Feb.2017	Work in progress.

Equipment

Sl No.	Item	Total Value (Rs.)
1	Campus wide Wi-Fi Network – Switches, wireless LAN Controller, Indoor & Outdoor Access Points, Server for LDAP, Server Rack, Network Rack, UPS, cables etc.	1,65,93,746
2	Mini Studio Equipment – PTZ Camera, Interactive Projector, Visualiser, Collar Microphone, Graphics Tablet, River Silica	19,11,284
3	Servers, Various Software & Peripherals	1,06,87,124
4	ABAQUS 6.14 Software including 01 Year AMC	12,66,164
5	Welding Training Simulator. (Model: AURA +)	9,84,375
6	Milling Tool Dynamometer	7,98,000
7	Metallurgical Microscope.	8,74,087
8	Welding Training Simulator. (Model: AURA +)	9,84,375
9	C-Frame Hydraulic Press (40 TON)	9,19,071
10	Universal Testing Machine	12,20,000
11	Equipment for thermal laboratory	33,67,000
12	Welding Training Simulator. (Model: AURA +)	9,84,375
13	Milling Tool Dynamometer	7,98,000
14	Metallurgical Microscope.	8,74,087

Hostel

(A) Executive Hostel:

Institute has a modernized executive hostel to provide lodging facility to STTP trainees and guests. The executive hostel has 37 rooms. All rooms of Executive Hostel are well equipped, each with a television, refrigerator, AC, geyser. Keeping in view the needs of the inmates and visitors, an arrangement has been made for common facilities which include Desktop computer, and one printer; 24x7 wi-fi connection. Though during the period under report one block of the hostel underwent major renovation, services from the executive hostel were smoothly provided.

During period, 1425 trainees from various polytechnics and engineering colleges stayed in the Executive Hostel. Other than these, there were 136 officials and guests who stayed in the hostel.



Executive Hostel

(B) Hostel for M. Tech. Students:

Table 13: Statistics of Boarders at M. Tech. Students' Hostel

Academic Year	Number of Boarders		
	Boys	Girls	Total
1 st . Year	22	4	26
2 nd Year	26	7	33
	Grand Total		59

SC/ST/OBC/PWD Filling Up of Postion

Only two backlog vacancy of ST are lying vacant, which are being re-advertised. Out of three posts earmarked for PWD, all posts are filled up.

Matter of Litigation

During the year 2016-17, a legal notice was served to the Institute challenging the impugned order dated 08-02-2017 vide MAT No. 347 of 2017 (Akash Prasad Vs Union of India and Others) filed before Hon'ble High Court, Calcutta.

The matter has been referred to the advocate of the Institute to take appropriate recourse in the matter.

Raj Bhasha Hindi Diwas

The Institute observed September 2016 as the Official Language month through a one-day "Language Activities / Group competitions Programme" on 29.09.2016, in which employees and students were participated.

Right to Information Act, 2005

During the year 2016-17, the Public Information Officer of the Institute received a total 6 applications under RTI Act, 2005 seeking information related to the Institute. There was nil TRI application pending.

Laying of Annual Report

Annual Reports/Audited Accounts of the Institute for the year 2015-16 were sent to the Ministry of Human Resource Development and the same were 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	: 12-04-2017
Name of the House	: Rajya Sabha	Date on which laid	: 12-04-2017

Persons Trained CDTP Scheme

Sl. No.	Name of the Polytechnics	SC		ST		OBC		Minority		Others		Total		Total Persons Trained under CDTP	Total Persons Employed under CDTP (Information available so far)
		M	W	M	W	M	W	M	W	M	W	M	W		
ASSAM															
1.	Assam Engg. Instt. Guwahati, PIN 781 003	9	19	14	17	16	23	45	12	61	64	145	135	280	148
2.	Assam Textile Instt., Guwahati, PIN 781 001	11	7	20	6	19	13	12	5	5	9	67	40	107	56
3.	Bongaigaon Polytechnic, PIN 783 380	10	5	0	30	57	171	18	53	0	24	85	283	368	195
4.	Girls' Polytechnic, Guwahati, PIN 781 021	0	20	0	10	0	40	0	35	0	105	0	210	210	118
5.	HRH PWI of Eng & Technology, Jorhat 785 001	4	41	24	36	62	146	10	14	86	140	186	377	563	298
6.	Residential Girls Polytechnic, Golaghat, PIN 785 621	4	14	3	1	50	57	19	16	18	50	94	138	232	122
Total		38	106	61	100	204	450	104	135	170	392	577	1183	1760	937
MIZORAM															
7.	Mizoram Polytechnic Lunglai, Mizoram, PIN 796 701	0	0	70	82	0	0	0	0	0	0	70	82	152	82
NAGALAND															
8.	Government Polytechnic Kohima, Nagaland, PIN 797 001	0	0	173	177	0	0	0	0	0	0	173	177	350	196
MEGHALAYA															
9.	Shillong Polytechnic, Meghalaya, PIN 793 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIPURA															
10.	Tripura Institute of Technology Agartala, Tripura, PIN 799 009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A & N ISLANDS															
11.	Dr. BR Ambedkar Govt. Poly. A & N Islands, PIN 744 103	45	0	25	0	40	70	0	0	79	150	189	220	409	207
BIHAR															
12.	Govt. Polytechnic, Darbhanga, PIN 846 004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Govt Polytechnic, Bhagalpur, PIN 812 003	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Govt Polytechnic, Muzaffarpur, PIN 842 001	10	26	0	3	38	50	1	60	2	51	51	190	241	128
15.	Govt. Polytechnic, Ullao, Barauni Begusarai, PIN 851 134	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.	Govt Polytechnic, Purnea, PIN 854 303	0	17	2	8	18	64	5	20	5	16	30	125	155	96
17.	Govt. Polytechnic, Saharsa, PIN 852 201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.	New Govt. Polytechnic, Patna, Patliputra, PIN 800 013	7	4	1	3	48	25	1	1	31	9	88	42	130	76
19.	Govt. Women's Polytechnic, Phulwarisharif, Patna-801 506	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.	Govt. Polytechnic, Gopalganj, PIN 841 428	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.	Govt. Polytechnic, Gulzarbag, Patna 800 007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.	Govt. Polytechnic, Gaya, PIN 823 001	22	14	1	1	83	87	23	18	32	25	161	145	306	162
Total		39	61	4	15	187	226	30	99	70	101	330	502	832	462
JHARKHAND															
23.	Govt. Polytechnic, Ranchi, PIN 834 001	3	7	7	62	0	53	67	325	0	2	77	449	526	278
24.	Govt. Polytechnic, Dhanbad, PIN 828 130	0	16	0	3	0	121	0	24	0	34	0	198	198	105

Sl. No.	Name of the Polytechnics	SC		ST		OBC		Minority		Others		Total		Total Persons Trained under CDTP	Total Persons Employed under CDTP (Information available so far)
		M	W	M	W	M	W	M	W	M	W	M	W		
25.	Govt Polytechnic, Dumka, PIN 814 101	0	0	14	10	4	18	1	2	6	0	25	30	55	32
26.	Govt. Polytechnic, Adityapur, PIN 832 109	0	4	0	4	0	25	0	0	0	50	0	83	83	47
27.	Govt. Polytechnic, Khutri, Bokaro, PIN 829 301	39	80	26	53	170	137	9	51	52	18	296	339	635	334
28.	Govt. Women's Polytechnic, Bokaro PIN 827 011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.	Govt. Women's Polytechnic, Ranchi, PIN 834 001	0	25	0	102	0	131	0	3	0	59	0	320	320	178
30.	Govt. Women's Polytechnic, Gamharia, PIN 832 108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Govt. Polytechnic, Bhaga, Dhanbad- 828 301	5	10	1	0	14	13	0	2	15	18	35	43	78	49
32.	Govt. Polytechnic, Kodarma, PIN 825 410	12	9	4	1	80	40	0	0	152	100	248	150	398	217
33.	Govt. Polytechnic, Nirsra, Dhanbad, PIN 828 130	9	2	0	0	36	2	3	0	12	2	60	6	66	36
Total		68	153	52	235	304	540	80	407	237	283	741	1618	2359	1276
ODISHA															
34.	Bhubanananda Orissa School of Engg. , Cuttack, PIN 753 007	61	68	9	3	98	46	14	31	153	157	335	305	640	332
35.	Biju Pattanaik Film & Television Institute of Orissa, BOSE Campus, Cuttack PIN 753 007	17	4	2	3	13	6	1	0	53	41	86	54	140	78
36.	Indira Gandhi Institute of Technology, Sarang Dhenkanal, PIN 759 146	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37.	Jharsuguda Engg. School, P.O. Jharsuguda, Dist. Sambalpur, PIN 768 202	10	16	4	60	16	95	3	0	11	26	44	197	241	129
38.	Orissa School of Mining Engg., Keonjhar, PIN 758 001	45	39	81	113	49	144	1	0	57	62	233	358	591	315
39.	SKDAV Polytechnic for Women, Rourkela, Sundargarh PIN 769 012	7	20	86	60	8	21	1	4	52	178	154	283	437	228
40.	U.C.P. Engg. School, Berhampur, Dist. Ganjam, PIN 760 010	13	23	5	3	52	147	0	0	47	99	117	272	389	222
41.	Utkal Gaurav Madhusudan Institute of Technology, Rayagada, Kuraput, PIN 765 001	35	56	84	189	8	27	0	0	8	40	135	312	447	242
42.	Utkalmani Gopabandhu Instt. of Engg, Rourkela, PIN 769 004	17	24	46	121	7	29	4	48	48	119	122	341	463	248
43.	Govt. Polytechnic, Bhubaneswar, Chandrasekharpur, PIN 751 023	4	9	2	21	5	9	0	0	29	27	40	66	106	65
44.	Govt. Polytechnic, Dhenkanal, Mohisha Pat, PIN 759 001	5	28	2	1	37	53	3	0	21	37	68	119	187	112
45.	Govt. Polytechnic, Ganjam, Berhampur, PIN 760 010	20	60	5	11	6	64	0	0	42	79	73	214	287	165
Total		234	347	326	585	299	641	27	83	521	865	1407	2521	3928	2136
WEST BENGAL															
46.	Acharya Jagadish Chandra Polytechnic, Berachampa,	3	16	1	2	5	0	20	4	26	63	55	85	140	82
47.	Acharya Prafulla Chandra Ray Poly, Jadavpur, Kolkata 700 032.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48.	Asansol Polytechnic, P.O.Dhadka, PIN 713 302	14	33	7	6	11	37	6	0	34	123	72	199	271	139
49.	B.P.C. Institute of Technology P.O. Krishnanagar, Dist. Nadia, PIN 741 101	55	70	2	2	30	30	11	43	104	190	202	335	537	279
50.	Bengal Institute of Technology, Industrial Complex, Katwa, Burdwan, PIN 713 130	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sl. No.	Name of the Polytechnics	SC		ST		OBC		Minority		Others		Total		Total Persons Trained under CDTP	Total Persons Employed under CDTP (Information available so far)
		M	W	M	W	M	W	M	W	M	W	M	W		
51.	Birla Institute of Technology, 56, B.T. Road, Kolkata – 700 050.	132	54	17	7	63	29	55	14	305	229	572	333	905	476
52.	Central Calcutta Polytechnic, 21, Convent Road, Kolkata-700014	61	91	0	0	14	60	4	53	204	510	283	714	997	520
53.	Central Footwear Training Centre, Budge Budge, 24 Parganas (S) PIN 743 320	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54.	Contai Polytechnic, Contai, Darua, PIN 721 401	0	11	0	2	0	2	0	6	0	22	0	43	43	32
55.	Coochbehar Polytechnic, Coochbehar, PIN 736 101	39	41	0	3	17	16	9	11	13	34	78	105	183	108
56.	Darjeeling Polytechnic, Kurseong, PIN 734 203	7	10	4	12	3	10	2	4	6	14	22	50	72	49
57.	Dr. Meghnad Saha Inst. of Technology, Haldia	20	40	2	2	12	18	3	50	83	193	120	303	423	225
58.	Engg. Instt. Of Junior Executive, Dalapukur Howrah	21	73	0	0	1	4	44	87	136	180	202	344	546	295
59.	H.B. Instt. of Technology, Raniganj, Burdwan	18	19	2	1	9	4	4	3	56	42	89	69	158	92
60.	Hooghly Institute of Technology Hooghly	31	82	2	5	13	22	0	5	79	192	125	306	431	235
61.	I.C.V. Polytechnic, Jhargram, West Midnapore	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62.	Jalpaiguri Polytechnic Instt. P.O. Danguajhar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63.	Jnan Chandra Ghosh Polytechnic	50	55	0	0	5	5	41	56	31	22	127	138	265	152
64.	K.G. Engineering Institute, P.O. Bishnupur, Bankura, PIN 722 122	90	23	17	5	84	9	4	2	214	99	409	138	547	302
65.	Kanyapur Polytechnic, Govt. of West Bengal, P.O. Asansol, Dist. Burdwan, PIN 713 304	17	30	1	11	36	23	36	19	61	123	151	206	357	212
66.	M.B.C. Institute of Engineering & Technology, Sadhannagar, Burdwan, PIN 713 101	26	34	0	0	8	11	8	66	38	65	80	176	256	149
67.	Malda Polytechnic, Maliha, PIN 732 102	30	103	42	25	18	15	37	73	42	66	169	282	451	247
68.	Murshidabad Inst. Of Techno. Berhampur, Murshidabad, PIN 742 102	5	9	4	6	7	22	20	65	17	19	53	121	174	102
69.	Nazrul Centenary Polytechnic, Burdwan	3	5	5	6	4	0	0	0	29	20	41	31	72	45
70.	Purulia Polytechnic, Purulia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71.	Raiganj Polytechnic, Raiganj, Uttar Dinaj Pur	134	166	44	18	8	6	36	28	104	60	326	278	604	325
72.	Sheikhpara ARM Polytechnic, Murshidabad	10	40	0	0	4	2	71	100	40	51	125	193	318	175
73.	Siliguri Govt. Polytechnic, Siliguri, Darjeeling	36	13	0	4	0	17	0	0	27	34	63	68	131	84
74.	Shri Ramkrishna Silpavidyapitha Suri, Birbhum	32	33	19	27	42	20	29	31	62	17	184	128	312	175
75.	West Bengal Survey Institute, Bandel	54	43	0	2	10	4	6	2	91	64	161	115	276	156
76.	Women's Polytechnic, Chandannagar	0	63	0	27	0	56	0	48	0	169	0	363	363	209
Total		888	1157	169	173	404	422	446	770	1802	2601	3709	5123	8832	4865

State-Wise Persons Trained CDTP Scheme

Sl. No.	Name of the States	SC		ST		OBC		Minority		Others		Total		Total Persons Trained under CDTP	Total Persons Employed under CDTP (Information available so far)
		M	W	M	W	M	W	M	W	M	W	M	W		
1.	ASSAM	38	106	61	100	204	450	104	135	170	392	577	1183	1760	937
2.	MIZORAM	0	0	70	82	0	0	0	0	0	0	70	82	152	82
3.	NAGALAND	0	0	173	177	0	0	0	0	0	0	173	177	350	196
4.	MEGHALAYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	TRIPURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	ANDAMAN & NICOBAR ISLANDS	45	0	25	0	40	70	0	0	79	150	189	220	409	207
7.	BIHAR	39	61	4	15	187	226	30	99	70	101	330	502	832	462
8.	JHARKHAND	68	153	52	235	304	540	80	407	237	283	741	1618	2359	1276
9.	ODISHA	234	347	326	585	299	641	27	83	521	865	1407	2521	3928	2136
10.	WEST BENGAL	888	1157	169	173	404	422	446	770	1802	2601	3709	5123	8832	4865
TOTAL		1312	1824	880	1367	1438	2349	687	1494	2879	4392	7196	11426	18622	10161

Annual Events

Meeting of Directors of NITTTRs

Directors of all 4 NITTTRs met at the Institute on 4 April 2016 to discuss various issues related to the training programmes for technical teachers of the country. It was also discussed on the proposal of considering NITTTRs as an Institute of National Importance.



2nd Regional Workshop on Technical Education for North Eastern States



The 2nd Regional Workshop was organized at Govt. Polytechnic, Shillong on 8 and 9 April, 2016 with the active support from Directorate of Technical Education, Government of Meghalaya. Beside the faculty members of the Institute, Principals of various polytechnics from North Eastern States, Directors of Technical Education of Eastern Region, members of Board of Governors, officials from BSNL, AICTE attended the workshop.

The workshop was concluded with a panel discussion “Aligning Polytechnic Curriculum towards Employability”. Eminent panelists from technical education system put forward their opinion in this regard.



Observation of Anti-Terrorism Day



The Institute observed the Anti-Terrorism Day on 20 May 2016 in the memory of former Indian Prime Minister Late Rajiv Gandhi to generate awareness in the country among all sections of people, about the danger of terrorism and violence and its effect on the people, society and the country as a whole. Institute community and Teacher Trainees present on the campus participated and took the Pledge on

World Environment Day

The Institute observed the World Environment Day on 5 June 2016 in a grand manner. Dr. Phalguni Gupta, Director, NITTTR, Kolkata inaugurated the programme. Debate and Quiz competitions were organized by the Staff Council. A cleaning drive in the campus was also a part of the programme.



Celebration of International Yoga Day



The Institute celebrated International Yoga Day on June 21, 2016 with the enthusiastic participation of its campus community. It began with a discussion on benefit of Yoga in human life followed by practice of Yogasanas. A talk on yoga was delivered by Mr. Sudhir Maheswari, Principal Coach, Mystec Yoga.

Celebration of Independence Day



NITTTR, Kolkata celebrated the 70th Independence Day of India. Prof. Phalguni Gupta, Director, NITTTR, Kolkata marked the start of the event by hoisting the national flag. Students and faculty members put up a themed cultural program. Shri A K Chakraborty, Sr. Administrative Officer rendered the vote of thanks.

Celebration of Swachh Bharat Pakhwada



NITTTR, Kolkata observed Swachhta Pakhwada week from 1 to 15 September 2016. During this period, Institute's campus was vibrant with various activities and events related to Sanitation. Prof. Phalguni Gupta, Director, NITTTR, Kolkata inspired the employees and students to ensure cleanliness around them and the institution. To mark the fortnight event, a cleanliness operation was done in the surrounding of Hostel Buildings, adjacent roads, toilets etc. of the Institute.

Celebration of Hindi Diwas.



Like every year, NITTTR, Kolkata celebrated Rajbhasa Samaroha on 29 September 2016 to mark the day. On this occasion, two levels of competitions were organized - one for Group A, B & C category of employees and other for MTS. The topic of the competitions were extempore speech in Hindi on “Raktadan” and “Swachha Bharat” for both of the competitions. The winners of the first competition were Dr. R S Rao, Mr. Avijit Kundu and Mr. P D Siyodia and Mr. Utpol Chakraborty. The winners of the second competition were Mr. R. Rout, Mr. D. Mandi and Mr. P. Jana. There were also activities relating to Official Language with regard to propagation / and spread of Hindi and multicultural facets of India.

Vocational Program on “Training of Trainers in IT & ITes Sector under NSQF”



National Skills Qualifications Framework (NSQF) is a competency-based framework that organizes all qualifications according to a series of levels of knowledge, skills and aptitude. The Institute conducted “Training of Trainers in IT & ITes Sector under NSQF for the state of West Bengal. There were 495 persons attended the workshop.

Blood Donation Camp and Health Check-up

Staff Council of NITTTR, Kolkata organised a blood donation camp on 29 September 2016 with the help of Government of West Bengal. There was enthusiastic participation from trainees, students, faculty and administrative staff of the Institute. The event started with an awareness campaign run by Staff Council about the need for blood donation and its benefits to the donor. All blood donors were also offered free health check-up.



Vijaya Sanmelini Celebration



Staff Council of NITTTR, Kolkata bid adieu to the festive season by celebrating Vijaya Sammelani in the Seminar Hall of the Institute on 28 October 2016.

Department of Science & Technology, Government of West Bengal and NITTTR, Kolkata jointly organized the 1st Regional Science & Technology Congress (Presidency division) during 13-14 Nov. 2016. It was inaugurated by Dr. Ashis Banerjee, Hon'ble Minister-in-Charge, Department of Science & Technology, Government of West Bengal on 13 November, 2016 at NITTTR, Kolkata, Salt Lake. Total 360 number of papers were presented during the technical sessions. Up to five outstanding papers were awarded as 'Outstanding Papers' in each of thirteen (13) disciplines in the said Congress.

State Science & Technology Congress gives the platform to the young researchers and scholars to show their academic excellence / talent in the field of science & technology. NITTTR, Kolkata being a pioneer national level institute to cater the needs of technical education, utilized the opportunity to be associated with the 1st Regional Science & Technology Congress and to be benefitted by making appropriate liaison with different organizations, scientist and researchers which may also help to conduct research in science and engineering in future.

Rastriya Ekta Diwas Celebration



The birth anniversary of Sardar Vallabh Patel was celebrated in this Institute with sincerity and respect on 31 October 2016. Members of the Faculty, Staff as also the Students and Teacher Trainees present on the campus participated with great enthusiasm on the occasion and took "Rastriya Ekta Diwas Pledge" in driving out corruption and ensuring the integrity of the country.

Observation of Vigilance Awareness Week



Institute observed Vigilance Awareness Week from 31 October to 5 November 2016. On 5 November 2016, Prof. Sekhar Sekhar Chakraborty, Chief Vigilance Officer, explained the significance of observing vigilance day with the reference to the present day scenario prevailing in the country. All employees and students, took "Vigilance Pledge" and "Citizens Integrity Pledge" on that day.

ACM International Collegiate Programming Contest



National Institute of Technical Teachers' Training and Research Kolkata (NITTTR, Kolkata) organized 2nd time Kolkata Site Contest of ACM International Collegiate Programming Contest jointly with JIS University at Guru Nanak Institute of Technology Campus, Kolkata.



The contest challenges students, working in three-person teams, to rely on their programming skills and creativity during a five-hour battle of logic, strategy, and mental endurance. Students solve complex problems using both traditional and new software development tools. Only 100 teams were selected for the onsite contest out of 520 registered teams and 92 teams actually attended the contest. The Contest was inaugurated by Prof. Phalguni Gupta, Regional Contest Director of Kolkata Site on 26th December 2016.

National Innovation Talent Contest for Polytechnics:



Lighting of the Ceremonial Lamp by Sri Keshari Nath Tripathi, Hon'ble Governor of West Bengal in the 1st National Innovation Talent Contest for Polytechnics on Feb 21, 2017 at NITTTR, Kolkata

The Institute organized the 1st National Innovation Talent contest for Polytechnics on 21 and 22 February 2017. It aims to foster innovation literacy for improved downstream and productivity in industry. Shri Keshari Nath Tripathi, Hon'ble Governor of West Bengal was the Chief Guest. This contest was open to all polytechnics students nationwide involving all the three major conventional disciplines such as Civil engineering, Electrical & Electronics Engineering and Mechanical Engineering.



This type of contest is unique in the country and will certainly help to identify the levels of skill and innovation potentials among the students, teachers and technical staff members of polytechnic institutes and to develop cost effective technological support to the society in the domain of conventional Engineering and Technology.

There were 76 teams from 15 states and 1 union territory registered in the contest. In the final round teams from 45 polytechnics participated and demonstrated their models.

Foundation Day



The 52nd Foundation Day of NITTTR, Kolkata was celebrated at the Institute's campus on 11th January 2017. Prof. Phalguni Gupta, Director of the Institute hoisted the national and institute flags. The Director addressed the august gatherings of dignitaries, ex-employees and faculty, staff and students and highlighted NITTTR, Kolkata's achievements through out the year.

The Photo Gallery exhibiting the activities of the Institute was opened by the Director for the public.

An interactive session among the Members of Board of Governors, Directors of Technical Education of Eastern Region and faculty members of NITTTR, Kolkata was held to deliberate the outcome of the Training Need Analysis for this academic year.

The cultural program was held exhibiting the activities of the Staff Council, a body constituted by BOG, through slide show presentation with a blend of Rabindra Sangeet.

“The Best Performer of the year 2016” was announced on this day and adjudicated best employee of the Institute in 2015-16 Shri Sankar Chandra Mukherjee, AV Technician who was selected for this award was felicitated by the Director of the Institute.



The “Katha”, The magazine of Staff Council, NITTTR, Kolkata was opened by the President of the Council, Prof. Phalguni Gupta in the presence of two veteran faculty members and dedicated to the staff and faculty members of the Institute. The magazine contains poems, short stories, short articles on technical and vocational themes, topics, experiences shared by M.Tech students.



Republic Day



The 68th Republic Day of the India was celebrated in NITTTR, Kolkata campus on 26 January 2017 in a befitting manner. The Director of the Institute hoisted the tri colour to mark the day.

Financials

The Institute is financed by the Department of Higher Education, Ministry of Human Resource Development, Government of India. During 2016-2017, the Institute received a grant of Rs. 36,595.00 lakhs from the Ministry of Human Resource Development to meet its yearly expenses. The Institute receives funds for sponsored research projects and for consultancy assignments being undertaken by the Institute from several funding agencies and Industries. The financial year of the Institute corresponds with that of Govt. of India i.e. 1st April to 31st March. The accounts of the Institute are annually audited by the Office of the Principal Director of Audit, Central Kolkata, Indian Audit and Accounts Department of the Balance Sheet of the Institute, Income and Expenditure Statement, Grants Received are shown in tabulated format below.

BALANCE SHEET AS AT 31ST MARCH, 2017

SOURCE OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	5205,69,746	4738,33,444
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	90,85,856	96,05,139
CURRENT LIABILITIES & PROVISIONS	3	1735,62,019	1153,80,478
TOTAL		7032,17,621	5988,19,061

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS			
Tangible Assets	4	2295,43,925	2253,64,358
Intangible Assets	4	28,61,425	27,39,685
Capital Works-in-Progress	4	779,60,645	474,97,305
INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	5		
Long Term			
Short Term			
INVESTMENTS - OTHERS	6	-	30,08,000
CURRENT ASSETS	7	3630,56,297	2705,01,947
LOANS, ADVANCES & DEPOSITS	8	297,95,329	497,07,766
TOTAL		7032,17,621	5988,19,061
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	24		

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR
ENDED 31ST MARCH, 2017

Amount in Rupees

Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9	104,10,151	51,99,911
Grants / Subsidies	10	1630,00,000	1368,75,000
Income from Investments	11	185,70,985	183,99,706
Interest earned	12	12,69,570	9,00,685
Other Income	13	15,26,554	23,29,619
Prior Period Income (Liabilities W/Back)	14	-	4,57,641
Deferred Income AS 12 [Corresponding to Sch 4(i)]	4	378,44,533	296,64,347
TOTAL (A)		2326,21,793	1938,26,909
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	1234,07,869	1081,48,221
Academic Expenses	16	101,76,182	119,54,860
Administrative and General Expenses	17	276,99,633	246,16,487
Transportation Expenses	18	12,23,594	6,79,971
Repairs & Maintenance	19	93,37,700	73,60,800
Finance Costs	20	16,979	61,948
Depreciation	4	378,44,533	296,64,347
Other Expenses	21	-	
Prior Period Expenses	22	2,88,013	
TOTAL(B):		2099,94,503	1824,86,634
Balance being excess of Income over Expenditure (A - B)		226,27,290	113,40,275
Unspent balance of Grants transferred to Other Current Liabilities [Sch.3(A)(6)(d)]		106,90,585	108,82,634
Balance Being Surplus / (Deficit) Carried to Capital Fund		119,36,705	4,57,641
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

SCHEDULE - 1: CORPUS / CAPITAL FUND

Amount in Rupees

	Particulars	Current Year	Previous Year
	Balance at the beginning of the year	4738,33,444	3756,39,797
Add:	Contributions towards Corpus/Capital Fund	-	-
Add:	Grants from UGC, Government of India and State Governemnt to the extent utilized for capital expenditure	707,59,030	857,08,525
Add:	Assets Purchased out of Earmarked Funds	-	-
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the Institution	34,950	
Add:	Assets Donated Gifts Received	-	-
Add:	Other Additions :	-	-
	Deffered Income AS-12	(378,44,533)	(296,64,347)
	Old provisions written back	18,50,150	485,93,952
Add:	Excess of Income over Expenditure transferred from the Income & Expenditure Account	119,36,705	4,57,641
	Total	5205,69,746	4807,35,568
(Deduct)	Deficit transferred from the Income & Expenditure Account	-	-
(Deduct)	Grant-in-aid (NER) sanctioned on earlier years transferred from Corpus Fund as per Audit Observation. Schedule 3(A)(6)(d)(ii)	-	69,02,124
	Balance at the year end	5205,69,746	4738,33,444

SCHEDULE - 2: DESIGNATED / EARMAKRD / ENDOWMENT FUNDS

Particulars	Fund wise Breakup							Total	
	Fund (COMPUTER LAB.)	MOD/ MECH (II)	PDMTVE	ACM-ICPC	SKILL CONTEST	UNESCO- UNEVOC	DST Sc. Congress (Govt. of WB)	Current Year	Previous Year
A.									
a) Opening Balance	61,683	39,113	16,53,619	-	75,60,231	2,90,493		96,05,139	15,21,034
b) Additions during the year				13,91,628	-	-	8,26,760	22,18,388	114,40,043
c) Incoem from Investments made of the funds					8,05,221				
d) Accrued Interest on Investments/Advances			1,07,085					1,07,085	2,33,235
e) Interst on Savings Bank A/c	3,138	1,584		18,728	7,105	5,411		35,966	41,137
f) Other additions (Bank overdraft)									
Total (A)	64,821	40,697	17,60,704	14,10,356	83,72,557	2,95,904	8,26,760	119,66,578	132,35,449
B.									
Utilization/Expenditure towards objectives of funds								-	3,769
i) Capital Expenditure						34,950		34,950	
ii) Revenue Expnditure				9,51,885	16,67,068	2,60,954	7,56,286	36,36,193	36,28,937
iii) Others (Advance)					14,800				-
Total (B)				9,51,885	16,81,868	2,95,904	7,56,286	36,71,143	36,32,706
Closing balance a the year end (A - B)	64,821	40,697	17,60,704	4,58,471	66,90,689	-	70,474	82,95,435	96,02,743
Represented by									
Cash and Bank Balances	64,821	40,697	17,60,704	4,58,471	28,691	-	70,474	24,23,858	20,44,908
Investments					66,61,998			66,61,998	75,60,231
Interest accrued but not due									
Total	64,821	40,697	17,60,704	4,58,471	66,90,689	-	70,474	90,85,856	96,05,139

SCHEDULE - 3: CURRENT LIABILITIES & PROVISIONS

Particulars		Current Year	Previous Year
A.	CURRENT LIABILITIES		
	1. Deposits form Staff	-	-
	2 Deposits from Students	-	-
	3. Sundry Creditors	-	-
	a) Others	4,57,106	
	4. Deposit - others (includign EMD, Security Deposit)	26,22,877	34,39,230
	5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS)	-	-
	a) Overdue	-	-
	6. Other Current Liabilities	-	-
	a) Salaries	-	-
	b) Receipts against sponsored projects	-	-
	c) Receipts against sponsored fellowships & Scholarships	-	-
	d) Unutilised Grants [as per Sch.3 (c)]	1173,17,788	
	i) Plan Capital (Main)		141,01,475
	ii) Plan Capital (NER)		299,02,124
	iii) Plan Recurring (including NER)		86,66,443
	iv) Non Plan Recurring		22,16,191
	e) Grants in advance	-	-
	f) Other Funds	-	-
	g) Other Liabilities	-	-
	i) Book credit with SBI	329,44,651	383,20,001
	ii) Others	52,01,255	51,99,172
	Total (A)	1585,43,677	1018,44,636
B.	PROVISIONS		
	1. For Taxation	-	-
	2. Gratuity	-	-
	3. Superannuation Pension	-	-
	4. Accumulated Leave Encashment	-	-
	5. Trade Warranties/Claims	-	-
	6. Others (Specify)(Liabilities for expenses)	150,18,342	135,35,842
	Total (B)	150,18,342	135,35,842
	Total (A + B)	1735,62,019	1153,80,478

**SCHEDULE - 3 (c) : UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA
AND STATE GOVERNMENTS**

Amount in Rupees

A.1	Plan Grants: Government of India	Current Year	Previous Year
a)	Plan Capital (Non-Recurring)	-	-
	Balance B/F	141,01,475	236.45
	Add: Receipts during the year	925,00,000	338.73
	Total (a)	1066,01,475	575.18
	Less: Utilized for Capital Expenditure(b)(Sch.4)	707,59,030	350.95
	Total (b)	707,59,030	350.95
	Unutilized carried forward (a - b)	358,42,445	224.23
b)	Plan General (Recurring)	-	-
	Balance B/F	23,12,705	(8.82)
	Add: Receipts during the year	500,00,000	235.01
	Total (a)	523,12,705	226.19
	Less: Utilized for Recurring Expenditure(b)(Sch.16,17,18,19 & 22)	427,96,822	396.65
	Total (b)	427,96,822	396.65
	Unutilized carried forward (a - b)	95,15,883	(170.46)
A.2	Non Plan Grants : Government of India	-	-
a)	Non Plan (Salary)	-	-
	Balance B/F	(97,17,475)	82.41
	Add: Receipts during the year	785,00,000	615.60
	Total (a)	687,82,525	698.01
	Less: Utilized for Recurring Expenditure(b) (Sch.15)	873,58,223	615.32
	Unutilized carried forward (a - b)	(185,75,698)	82.69
b)	Non Plan (Non-Salary)	-	-
	Balance B/F	119,33,666	83.65
	Add: Receipts during the year	195,00,000	159.30
	Add: Interest earned from Investment/Bank(Sec.11 & 12)	173,87,841	
	Total (a)	488,21,507	242.95
	Less: Utilized for Recurring Expenditure(b)(Sch.15,17,20 & 21)	384,31,437	279.53
	Unutilized carried forward (a - b)	103,90,070	(36.58)
A.3	Plan Grants(North Eastern Region): Government of India	-	-
a)	Plan Capital, NER (Non-Recurring)	-	-
	Balance B/F	299,02,124	10.00
	Add: Receipts during the year	300,00,000	60.00
	Total (a)	599,02,124	70.00
	Less: Utilized for Capital Expenditure(b)	-	1.00
	Unutilized carried forward (a - b)	599,02,124	69.00
b)	Plan General, NER (Recurring)		
	Balance B/F	63,53,738	(1.50)
	Add: Receipts during the year	150,00,000	115.00
	Add: Interest on Investment/Bank(Sch.11 & 12)	24,52,714	3.79
	Total (a)	238,06,452	117.29
	Less: Utilized for Recurring Expenditure(b)(Sch.16 & 17)	35,63,488	32.55
	Unutilized carried forward (a - b)	202,42,964	84.74
B.	UGC Grants: Plan	Nil	-
C.	UGC Grants: Non Plan	Nil	-
D.	Grants from State Government	Nil	-
	* Grand Total (A + B + C + D)	1173,17,788	-

Notes: Unutilized Grants includes advances on Capital Account, Unutilized grants include grants received in advance for the next year, Unutilized grants are represented on the Assets side by Bank Balance, Short Term Deposits with Banks and advances on Capital Account.

SCHEDULE - 4: FIXED ASSETS

Amount in Rupees

Sl. No.	Assets Heads	Gross Block				Depreciation for the year 2016-2017				Net Block	
		Opening Balance 01.04.2016	Additions	Deductions	Closing Balance	Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31.03.2017	31.03.2016
1	Land	40,48,117	-	-	40,48,117	-	-	-	-	40,48,117	40,48,117
2	Site Development	-	-	-	-	-	-	-	-	-	-
3	Buildings	-	-	-	-	-	-	-	-	-	-
	i) Office Building	1528,91,522	4,27,755		1533,19,277	696,74,208	30,66,386	-	727,40,594	805,78,683	832,17,314
	ii) Residential Building	372,81,524	19,17,801		391,99,325	190,28,494	7,83,987		198,12,481	193,86,845	182,53,030
	iii) Hostel Building	242,92,528	-		242,92,528	145,11,025	5,82,959	-	150,93,984	91,98,544	97,81,503
4	Roads & Bridges				-				-	-	-
5	Tube wells & Water Supply	34,231	84,584	-	1,18,815	1,370	4,068		5,438	1,13,377	32,861
6	Sewerage & Drainage	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation and Equipment	186,43,375	3,78,783	50,000	189,72,158	18,42,961	9,48,608	2,500	27,89,069	161,83,089	168,00,414
8	Plant & Machinery	1152,67,646	-		1152,67,646	829,51,303	57,63,382		887,14,685	265,52,961	323,16,343
9	Scientific & Laboratory Equipment	160,28,461	218,29,020	3,30,069	375,27,412	15,40,193	30,02,193		45,42,386	329,85,026	144,88,268
10	Office Equipment	182,17,128	21,98,227	165,93,746	38,21,609	14,05,319	2,86,621	12,44,531	4,47,409	33,74,200	168,11,809
11	Audio Visual Equipment	48,30,950	4,03,044		52,33,994	7,15,963	3,92,550		11,08,513	41,25,481	41,14,987
12	Computers & Peripherals	516,15,530	241,54,734	-	757,70,264	369,59,229	172,28,271	-	541,87,500	215,82,764	146,56,301
13	Furniture, Fixtures & Fittings	255,77,109	1,09,642		256,86,751	154,24,802	19,26,506		173,51,308	83,35,443	101,52,307
14	Vehicles	14,12,127	20,18,890		34,31,017	1,41,213	3,43,102		4,84,315	29,46,702	12,70,914
15	Library Books & Scientific Journals	96,43,321	1,21,537		97,64,858	102,23,131	12,154	6,03,119	96,32,166	1,32,692	(5,79,810)
16	Small Value Assets				-				-	-	-
	Total (A)	4797,83,569	536,44,017	169,73,815	5164,53,771	2544,19,211	343,40,785	18,50,150	2869,09,846	2295,43,925	2253,64,358
17	Capital Work in Progress (B)	474,97,305	322,23,340	17,60,000	779,60,645	-	-	-	-	779,60,645	474,97,305
	Intangible Assets	-	-	-	-	-	-	-	-	-	-
18	Computer Software	51,33,882	36,25,488		87,59,370	23,94,197	35,03,748	-	58,97,945	28,61,425	27,39,685
19	E-Journals	-	-	-	-	-	-	-	-	-	-
20	Patents	-	-	-	-	-	-	-	-	-	-
	Total (C)	51,33,882	36,25,488	-	87,59,370	23,94,197	35,03,748		58,97,945	28,61,425	27,39,685
	Grand Total (A + B + C)	5324,14,756	894,92,845	187,33,815	6031,73,786	2568,13,408	378,44,533	18,50,150	2928,07,791	3103,65,995	2756,01,348

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

SCHEDULE - 4 A : FIXED ASSETS - PLAN

Amount in Rupees

Sl. No.	Assets Heads	Gross Block				Depreciation for the year 2016-2017				Net Block	
		Opening Balance 01.04.2016	Additions	Deductions	Closing Balance	Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2017	31.03.2016
1	Land	40,48,117	-	-	40,48,117	-	-	-	-	40,48,117	40,48,117
2	Site Development	-	-	-	-	-	-	-	-	-	-
3	Buildings	-	-	-	-	-	-	-	-	-	-
	i) Office Building	1528,91,522	4,27,755		1533,19,277	696,74,208	30,66,386	-	727,40,594	805,78,683	832,17,314
	ii) Residential Building	372,81,524	19,17,801		391,99,325	190,28,494	7,83,987	-	198,12,481	193,86,845	182,53,030
	iii) Hostel Building	242,92,528	-	-	242,92,528	145,11,025	5,82,959	-	150,93,984	91,98,544	97,81,503
4	Roads & Bridges	-	-	-	-	-	-	-	-	-	-
5	Tubewells & Water Supply	34,231	84,584	-	1,18,815	1,370	4,068		5,438	1,13,377	32,861
6	Sewerage & Drainage	-	-	-	-				-	-	-
7	Electrical Installation and Equipment	186,43,375	3,78,783	50,000	189,72,158	18,42,961	9,48,608	2,500	27,89,069	161,83,089	168,00,414
8	Plant & Machinery	1152,67,646			1152,67,646	829,51,303	57,63,382		887,14,685	265,52,961	323,16,343
9	Scientific & Laboratory Equipment	160,28,461	218,29,020	3,30,069	375,27,412	15,40,193	30,02,193		45,42,386	329,85,026	144,88,268
10	Office Equipment	182,17,128	21,98,227	165,93,746	38,21,609	14,05,319	2,86,621	12,44,531	4,47,409	33,74,200	168,11,809
11	Audio Visual Equipment	48,30,950	4,03,044	-	52,33,994	7,15,963	3,92,550	-	11,08,513	41,25,481	41,14,987
12	Computers & Peripherals	516,15,530	241,54,734	-	757,70,264	369,59,229	172,28,271	-	541,87,500	215,82,764	146,56,301
13	Furniture, Fixtures & Fittings	255,77,109	1,09,642	-	256,86,751	154,24,802	19,26,506	-	173,51,308	83,35,443	101,52,307
14	Vehicles	-	20,18,890	-	20,18,890	-	2,01,889	-	2,01,889	18,17,001	-
15	Library Books & Scientific Journals	96,43,321	1,21,537	-	97,64,858	102,23,131	12,154	6,03,119	96,32,166	1,32,692	(5,79,810)
16	Small Value Assets	-	-	-	-	-	-	-	-	-	-
	Total (A)	4783,71,442	536,44,017	169,73,815	5150,41,644	2542,77,998	341,99,572	18,50,150	2866,27,420	2284,14,224	2240,93,444
17	Capital Work in Progress(B)	474,97,305	322,23,340	17,60,000	779,60,645					779,60,645	474,97,305
	Intangible Assets	-	-	-	-	-	-	-	-	-	-
18	Computer Software	51,33,882	36,25,488		87,59,370	23,94,197	35,03,748	-	58,97,945	28,61,425	27,39,685
19	E-Journals	-	-	-	-	-	-	-	-	-	-
20	Patents	-	-	-	-	-	-	-	-	-	-
	Total (C)	51,33,882	36,25,488	-	87,59,370	23,94,197	35,03,748		58,97,945	28,61,425	27,39,685
	Grand Total (A + B + C)	5310,02,629	894,92,845	187,33,815	6017,61,659	6017,61,659	377,03,320	18,50,150	18,50,150	3092,36,294	2743,30,434

SCHEDULE - 4B: NON-PLAN

Amount in Rupees

Sl. No	Assets Heads	Gross Block				Depreciation for the year 2016-2017				Net Block	
		Opening Balance 01.04.2016	Additions	Deductions	Closing Balance	Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2017	31.03.2016
1	Land			-	-	-	-	-	-	-	-
2	Site Development			-	-	-	-	-	-	-	-
3	Buildings			-	-	-	-	-	-	-	-
4	Roads & Bridges			-	-	-	-	-	-	-	-
5	Tubewells & Water Supply			-	-	-	-	-	-	-	-
6	Sewerage & Drainage			-	-	-	-	-	-	-	-
7	Electrical Installation and Equipment	-	-	-	-	-	-	-	-	-	-
8	Plant & Machinery	-	-	-	-	-	-	-	-	-	-
9	Scientific & Laboratory Equipment	-	-	-	-	-	-	-	-	-	-
10	Office Equipment	-	-	-	-	-	-	-	-	-	-
11	Audio Visual Equipment	-	-	-	-	-	-	-	-	-	-
12	Computers & Peripherals	-	-	-	-	-	-	-	-	-	-
13	Furniture, Fixtures & Fittings	-	-	-	-	-	-	-	-	-	-
14	Vehicles	14,12,127	-		14,12,127	1,41,213	1,41,213		2,82,426	11,29,701	12,70,914
15	Library Books & Scientific Journals	-	-	-	-	-	-	-	-	-	-
16	Small Value Assets	-	-	-	-	-	-	-	-	-	-
	Total (A)		-		14,12,127		1,41,213		2,82,426	2,82,426	12,70,914
17	Capital Work in Progress	-	-	-	-	-	-	-	-	-	-
	Total (B)	-	-	-	-	-	-	-	-	-	-
	Intangible Assets	-	-	-	-	-	-	-	-	-	-
18	Computer Software	-	-	-	-	-	-	-	-	-	-
19	E-Journals	-	-	-	-	-	-	-	-	-	-
20	Patents	-	-	-	-	-	-	-	-	-	-
	Total (C)	-	-	-	-	-	-	-	-	-	-
	Grand Total (A + B + C)	-	-	-	14,12,127	-	1,41,213	-	2,82,426	2,82,426	12,70,914

SCHEDULE - 4C: INTANGIBLE ASSETS

Amount in Rupees

Sl. No.	Assts Heads	Gross Block				Depreciation for the year 2016-2017				Net Block	
		Opening Balance 01.04.2016	Additions	Deductions	Closing Balance	Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2017	31.03.2016
1	Patents & Copyrights	-	-	-	-	-	-	-	-	-	-
2	Computer Software	51,33,882	36,25,488		87,59,370	23,94,197	35,03,748		58,97,945	28,61,425	27,39,685
3	E-Journals										

	Total	51,33,882	36,25,488	87,59,370	23,94,197	35,03,748	-	58,97,945	28,61,425	27,39,685
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SCHEDULE - 6: INVESTMENTS - OTHERS

				Amount in Rupees	
Sl. No.	Fund	Current Year	Previous Year		
1	In Central Government Securities	-	-		
2	In State Government Securities	-	-		
3	Other approved Securities	-	30,08,000		
4	Shares	-	-		
5	Debentures and Bonds	-	-		
6	Others (to be specified)	-	-		
Total		-	30,08,000		

SCHEDULE - 7 : CURRENT ASSETS

				Amount in Rupees	
Sl. No.	Particulars	Current Year	Previous Year		
1	Stocks				
	a) Stores and Spares				
	b) Loose Tools				
	c) Publications				
	d) Laboratory Chemicals, Consumables and Glass ware				
	e) Building Materials				
	f) Electrical Material				
	g) Stationery				
	h) Water Supply Materials				
2	Sundry Debtors				
	a) Debts Outstanding for a period exceeding six months				
	b) Others				
3	Cash and Bank Balance				
	a) With Scheduled Banks				
	* In Current Accounts		10,000		
	* In Term Deposit Accounts	3458,99,668	2557,32,254		
	* In Savings Account	171,35,342	147,34,693		
	b) With Non-Scheduled Bank				
	* In Term Deposit Accounts				
* In Savings Account					
4	Cash in Hand	21,287	25,000		
Total		3630,56,297	2705,01,947		

Note: Annexure A shows the details of Bank Account

SCHEDULE - 7 : CURRENT ASSETS (ANNEXURE-A)

Sl. No.	Particulars	Amount in Rupees	
		Current Year	Previous Year
I.	Savings Bank Account	-	-
	1. Grants from UGC A/c	-	-
	2. University Receipts A/c	-	-
	3. Scholarship A/c	-	-
	4. Academic Fee Receipt A/c	-	-
	5. Development(Plan) A/c	-	-
	6. Combined Entrance Exams(CBT) A/c	-	-
	7. UGC Plan Fellowship A/c	-	-
	8. Corpus Fund A/c(EMF)	-	-
	9. Sponsored Projects Fund A/c	90,85,856	79,51,520
	10. Sponsored Fellowship A/c	-	-
	11. Endowment & Chair A/c (EMF)	-	-
	12. UGC JRF Fellowship A/c (EMF)	-	-
	13. HBA Fund A/c (EMF)	-	-
	14. Conveyance A/c (EMF)	-	-
	15. UGC Rajiv Gandhi National Fellowship A/c (EMF)	-	-
	16. Academic Development Fund A/c(EMF)	-	-
	17. Deposit A/c	-	-
	18. Student Fund A/c	-	-
	19. Student Aid Fund A/c	-	-
	20. Plan Grants for Specific Schemes	-	-
II.	Current Account	-	-
III.	Term Deposits With Schedule Banks	-	-
	Total	90,85,856	79,51,520

SCHEDULE - 8 : LOANS, ADVANCES & DEPOSITS

Amount in Rupees

Sl. No.	Particulars	Current Year	Previous Year
1	Advances to employees: (Non-interest bearing)		
	a) Salary		
	b) Festival	1,27,125	1,37,475
	c) Medical Advance		
	d) Other (to be specified)		
2	Long-Term Advances to employees: (Interest bearing)		
	a) Vehicle Loan(Motor/Scooter Advance)		4,675
	b) Home Loan	10,80,248	13,14,428
	c) Other (to be specified)		
	i) Bi-cycle Advance	1,550	10,650
	ii) Computer Advance	86,850	79,300
3	Advances and other amounts recoverable in cash or in kind or for value to be received)		
	a) On Capital Account		
	b) To Suppliers	108,61,000	163,46,100
	c) Others	14,31,748	8,63,170
4	Prepaid Expenses		
	a) Insurance		
	b) Other Expenses		
5	Deposits		
	a) Telephone		
	b) Lease Rent		
	c) Electricity		
	d) AICTE, if applicable		
	e) Others (to be specified)	21,020	21,020
6	Income Accrued		
	a) On Investments from Earmarked/Endowment Funds		
	b) On Investments - Others	154,93,875	125,29,708
	c) On Loans and Advances	4,31,913	3,53,227
	d) Others (includes Income due unrealized)		
7	Other - Current Assets receivable from UGC/ sponsored Projects		
	a) Debit Balances in Sponsored Projects		
	b) Debit Balances in Sponsored Fellowships & Scholarships		
	c) Grants Receivable		
	d) Other receivables from UGC		
8	Claims Receivable	2,60,000	180,48,013
	Total	297,95,329	497,07,766

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

SCHEDULE - 9 : ACADEMIC RECEIPTS

Amount in Rupees

Sl. No.	Particulars	Current Year	Previous Year
FEES FROM STUDENTS			
1	Tuition Fee(Course fees)	34,30,950	15,02,261
	i) M.Tech. Course fees	68,95,201	28,84,650
2	Admission Fee	-	-
3	Enrolment Fee	-	-
4	Library Admission Fee	-	-
5	Laboratory Fee	-	-
6	Art & Craft Fee (M.Tech. Cultural Fees)	-	-
7	Registration Fee	-	-
8	Syllabus Fee	-	-
Total (A)		103,26,151	43,86,911
EXAMIANCTIONS			
1	Admission Test Fee	-	-
2	Annual Examination Fee	-	-
3	Mark Sheet, Certificate Fee	-	-
4	Entrance Examination Fee	-	-
Total (B)		-	-
OTHER FEES			
1	Identify Card Fee	-	-
2	Fine/Miscellaneous Fee	-	-
3	Medical Fee	-	-
4	Transportation Fee	-	-
5	Hostel Fee	-	-
	i) M.Tech. Sports fees	-	-
Total (C)		-	-
SALE OF PUBLICATIONS			
1	Sale of Admission Forms	-	-
2	Sale of Syllabus and Question Paper, etc.	-	-
3	Sale of Prospectus including Admission Forms	-	-
Total (D)		-	-
OTHER ACADEMIC RECEIPTS			
1	Registration Fee for Workshops, Programmes(TEQIP-II, IRG)	84,000	8,13,000
2	Registration Fees (Academic Staff College)	-	-
Total (E)		84,000	8,13,000
GRAND TOTAL (A+B+C+D+E)		104,10,151	51,99,911

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

SCHEDULE 10: GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Particulars	Plan			Total Plan	Non Plan UGC (MHRD)	Current Year Total	Previous Year total
	Govt. of India	UGC					
		Plan	Specific Schemes				
Balance B/F							
Add: Receipts during the year							
i) Plan Recurring (General)				391,00,000		391,00,000	309,27,000
ii) Plan Recurring (SC)				75,00,000		75,00,000	59,86,000
iii) Plan Recurring (ST)				34,00,000		34,00,000	29,93,000
iv) Non Plan Recurring (Salary)					785,00,000	785,00,000	658,69,000
v) Non Plan Recurring (General)					195,00,000	195,00,000	191,00,000
vi) Plan Recurring (General)(NER)				115,00,000		115,00,000	92,99,000
vii) Plan Recurring (SC)(NER)				22,00,000		22,00,000	18,00,000
viii) Plan Recurring (ST)(NER)				13,00,000		13,00,000	9,01,000
Total -				650,00,000	980,00,000	1630,00,000	1368,75,000
Less: Refund to UGC							
Balance							
Less: Utilised for Capital expenditure (A)							
Balance	-						
Less: Utilized for Revenue Expenditure (B)							
Balance C/F (C)							

- A. Appears as addition to Capital Fund as well as additions to Fixed Assets during the year
- B. Appears as income in the Income & Expenditure Accounts
- C. (i) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.
- (ii) Represented by Bank balances, Investments and Advances on gthe assets side.

SCHEDULE - 11 : INCOME FROM INVESTMENT

Amount in Rupees

Sl. No.	Particulars	Earmarked / Endowment Funds		Other Investments	
		Current Year	Previous Year	Current Year	Previous Year
1	Interest	-	-	-	-
	a) On government Securities	-	-	-	-
	b) Other Bonds/Debentures	-	-	-	-
2	i) Interest on Term Deposits	9,36,077	16,79,924	176,34,908	167,19,782
	ii) Interest on Term Deposits (NER)	-	-	-	-
3	Income accrued but not due on Term Deposits/ Interest bearing advances to employees	-	-	-	-
4	Interest on Savings Bank Accounts	-	-	-	-
5	Others (specify)	-	-	-	-
	TOTAL	9,36,077	16,79,924	176,34,908	167,19,782
	Transferred to Earmarked/Endowment Funds	-	-	-	-
	Balance	Nil	Nil	-	-
<p>Note: Interest accrued but not due on Term Deposits from HBA fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving fund (EMP) for such advances have been set up.</p>					

SCHEDULE - 12 : INTEREST EARNED

Sl. No.	Particulars	Current Year	Previous Year
1	On Savings Accounts with Scheduled Banks	11,53,183	7,00,965
2	On Loans		
	a) Employees/Staff		
	i) Interest on House Building Advance	1,05,223	1,90,387
	ii) Interest on Computer Advance	6,538	8,819
	iii) Interest on Motor Cycle Advance	4,626	514
	b) Others		
3	On Debtors and Other Receivables		
	TOTAL	12,69,570	9,00,685

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

SCHEDULE - 13 : OTHER INCOME

Amount in Rupees

Sl. No.	Particulars	Current Year	Previous Year
A.	Income from Land & Buildings		
1	Hostel Room Rent	9,55,186	6,89,536
2	License Fee	72,068	72,660
3	Hire Charge of Auditorium/Play Ground/Convention Centre, etc.		
4	Electricity Charges Recovered		
5	Water Charges recovered		
	Total	10,27,254	7,62,196
B.	Sale of Institute's Publications		
C.	Income from Holding Events		
1	Gross Receipts from Annual Function / Sports carnival		
	Less: Direct expenditure incurred on the annual function sports carnival		
2	Gross Receipts from fates		
	Less: Direct expenditure incurred on the fates		
3	Gross Receipts for educational tours		
	Less: Direct expenditure incurred on the tours		
4	Others (to be specified and separately disclosed)		
	Total		
D.	Others		
1	Income from consultancy(Instt. IRG)	10,474	94,207
2	RTI fees		
3	Income from Royalty	4,516	4,520
4	Sale of application form		8,15,336
5	Misc. receipts (sale of Tender Form Waste paper etc.)	26,600	21,450
6	Profit on Sale/disposal of Assets		
	a) Owned Assets		
	b) Assets received free of cost		
7	Grants/Donations from Institutions, Welfare Bodies and International Organizations		
8	Others (specify)		
8a	i) Hostel Meal Charges	4,22,940	3,54,293
	ii) Meter Rent	3,440	2,810
	iii) Misc. Receipt	31,330	12,041
	iv) Sale of News Paper		
8b	i) Gratuity Contribution		24,183
	ii) Leave Salary Contribution		99,983
	iii) Pension Contribution		1,38,600
	Total	4,99,300	15,67,423
GRAND TOTAL (A+B+C+D)		15,26,554	23,29,619

SCHEDULE 14:PRIOR PERIOD INCOME

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Academic Receipts	-	-	-	-	-	-
2	Income from Investment	-	-	-	-	-	-
3	Interest earned	-	-	-	-	-	-
4	Other Income	-	-	-	-	4,57,641	4,57,641
	Total	-	-	-	-	4,57,641	4,57,641

SCHEDULE 15: STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

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

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Salaries and Wages						
	i) Salary to Teaching Staff		486,72,069	486,72,069		437,68,720	437,68,720
	ii) Salary to Non-Teaching Staff		337,13,478	337,13,478		316,17,711	316,17,711
b)	Allowance and Bonus		-	-		2,00,044	2,00,044
	i) Bonus		6,32,211	6,32,211			-
	ii) Encashment of Leave(LTC)		3,15,430	3,15,430		1,92,168	1,92,168
	iii) Professional Development Allowances		12,23,903	12,23,903		9,90,847	9,90,847
c)	LTC facility		8,62,502	8,62,502		6,28,172	6,28,172
d)	Medical facility		14,73,888	14,73,888		13,65,788	13,65,788
e)	Children Education Allowance		4,64,742	4,64,742		5,68,680	5,68,680
	Total		873,58,223	873,58,223			
f)	Contribution to Provident Fund						-
g)	Contribution to Other Fund (NPS)		18,05,812	18,05,812		13,60,769	13,60,769
h)	Staff Welfare Expenses						
i)	Retirement and Terminal Benefits						
	i)Leave Encashment		25,87,778	25,87,778		7,41,427	7,41,427
	ii)Commutated value of Pension		25,28,551	25,28,551		2,23,401	2,23,401
	iii) Retirement Gratuity		19,95,948	19,95,948		7,26,338	7,26,338
	iv) Leave Salary Contribution		1,56,420	1,56,420		1,05,493	1,05,493
	v)Retirement Gratuity Contribution			-			-
j)	Teaching Assistant		9,58,754	9,58,754		9,61,094	9,61,094
k)	Others (specify)						-
	i) Pension		256,89,323	256,89,323		244,78,219	244,78,219
	ii) Pension Contribution		3,27,060	3,27,060		2,19,350	2,19,350
	Total		360,49,646	360,49,646			
	Grand Total		1234,07,869	234,07,869		1081,48,221	1081,48,221

SCHEDULE 16: ACADEMIC EXPENSES

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Laboratory Expenses	-	-	-	-	-	-
b)	Field Work/Participation in Conferences	-	-	-	-	-	-
c)	Expenses on Seminars/Workshops	4,96,992	-	4,96,992	19,95,528	-	19,95,528
d)	Payment to Visiting Faculty	3,41,090	-	3,41,090	-	-	
e)	Examination	-	-	-	-	-	-
f)	Student Welfare Expenses (Refreshment to trainees)	-	-	-	-	-	-
g)	Admission Expenses	-	-	-	-	-	-
h)	Convocation Expenses	-	-	-	-	-	-
i)	Publications	-	-	-	-	-	-
j)	Stipend/Means-cum-merit Scholarship	-	-	-	-	-	-
k)	Subscription Expenses	-	-	-	-	-	-
l)	Others (specify)	-	-	-	-	-	-
	i) Teaching Staff (Contractual)	-	-	-	-	-	-
	ii) In-house Training Programme	9,87,569	-	9,87,569	9,86,162	-	9,86,162
	iii) Short Term Training Programme	48,05,774	-	48,05,774	53,68,592	-	53,68,592
	v) Curriculum Development	4,81,207	-	4,81,207	4,86,089	-	4,86,089
	vi) M.Tech. Medical Insurance fees	-	-	-	1,39,200	-	1,39,200
	TOTAL	71,12,632	-	71,12,632	89,75,571	-	89,75,571
c.1)	Expenses on Seminars/Workshops	-	-			-	
	i) Expenses on Workshop(NER)	13,60,264	-	13,60,264		-	
	ii) Short Term Training Programme(NER)	17,03,286	-	17,03,286	24,48,322	-	24,48,322
	iii) Curriculum Development(NER)	-	-	-	5,30,967	-	5,30,967
	TOTAL	30,63,550	-	30,63,550	29,79,289	-	29,79,289
	GRAND TOTAL	101,76,182	-	101,76,182	119,54,860	-	119,54,860

SCHEDULE 17: ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
A.	Infrastructure						
	a) Electricity and Power	73,12,751	-	73,12,751	64,61,885	-	64,61,885
	b) Water Charges	3,37,443		3,37,443	3,38,574		3,38,574
	c) Insurance	-	-	-	-	-	-
	d) Rent, Rates and Taxes (including property tax)	-	9,28,236	9,28,236	-	-	-
B.	Communication	-	-	-	-	-	-
	a) Printing and Stationary (consumption)	-	6,55,087	6,55,087	-	4,27,077	4,27,077
	b) Travelling and Conveyance Expenses	22,97,498	-	22,97,498	17,57,321	15,592	17,72,913
	c) Hospitality	-	-	-	-	-	-
	d) Auditors Remuneration	-	3,96,880	3,96,880	-	3,40,150	3,40,150
	e) Professional Charges(Expert Expenses)	-	-	-	4,92,671	-	4,92,671
	f) Advertisement and Publicity	-	77,986	77,986	-	1,76,996	1,76,996
	g) Magazines & Journals	-	77,681	77,681		41,308	41,308
C.	h)1. Others (specify)As per Sub-Schedule 17C (n)	148,87,191	2,28,942	151,16,133	142,00,335	3,64,578	145,64,913
	Total	248,34,883	23,64,812	271,99,695	-	-	-
	2. Others (specify)As per Sub-Schedule 17C (n)(NER)	4,99,938	-	4,99,938	-	-	-
	Total	253,34,821	23,64,812	276,99,633	232,50,786	13,65,701	246,16,487

SUB-SCHEDULE 17C (h) Others

Amount in Rupees

Sl No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1							
i)	Consultant Fees	8,15,599		8,15,599	12,61,477		8,15,599
ii)	Extension of Lab. Facilities expenses	-	-	-	26,803	-	26,803
iii)	Legal Expenses	-	78,710	78,710	-	1,62,232	1,62,232
iv)	Postage & Telegraph	-	1,36,941	1,36,941	-	1,40,943	1,36,941
v)	Telephone and Broadband	3,40,448	-	3,40,448	3,93,942	-	3,93,942
vi)	Campus Development		-	-	3,881	-	3,881
vii)	Contractual Staff	67,37,400	-	67,37,400	46,17,154	-	67,37,400
viii)	Staff Development	10,000	-	10,000	1,58,186	-	1,58,186
ix)	Internal Audit Fees	3,31,550	-	3,31,550	3,26,247	-	3,31,550
x)	Security Guard	17,18,688	-	17,18,688	16,46,160	-	17,18,688
xi)	Annual Event & Similar Expenses(sports)	63,644	-	63,644	1,56,522	-	20,50,238
xii)	Hostel Expenses	23,79,019	-	23,79,019	17,55,562	-	17,55,562
xiii)	Misc. Working Expenses	8,94,941	-	8,94,941	19,25,502	-	8,94,941
xiv)	Office Books		1,404	1,404		1,266	1,266
xv)	Consumable Materials	15,95,902		15,95,902	19,28,899		15,95,902
xvi)	Misc. Office Contingencies	-	11,887	11,887	-	60,137	60,137
	TOTAL	148,87,191	2,28,942	151,16,133	142,00,335	3,64,578	145,64,913
2	NER EXPENSES						
xvii)	Consultant Fees(NER)	1,83,918	-	1,83,918	-	-	-
xviii)	Telephone and Broadband(NER)	3,500	-	3,500	-	-	-
xix)	Contractual Staff(NER)	2,27,368	-	2,27,368	-	-	-
xx)	Misc. working Expenses(NER)	55,152	-	55,152	-	-	-
xxi)	Electric Rent(NER)	30,000	-	30,000	-	-	-
	TOTAL	4,99,938	-	4,99,938	-	-	-
	GRAND TOTAL (A+B)	153,87,129	2,28,942	156,16,071	142,00,335	3,64,578	145,64,913

SCHEDULE - 18: TRANSPORTATION EXPENSES

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Vehicles (owned by Institution)	-	-	-	-	-	-
	a) Running Expenses	-	-	-	-	-	-
	b) Repairs & Maintenance	-	-	-	-	-	-
	c) Insurance Expenses	-	-	-	-	-	-
2	Vehicles taken on rent/lease	-	-	-	-	-	-
	a) Rent/lease expenses	12,23,594	-	12,23,594	6,79,971	-	6,79,971
3	Vehicle (Taxi) hiring expenses	-	-	-	-	-	-
	Total	12,23,594	-	12,23,594	6,79,971	-	6,79,971

SCHEDULE 19: REPAIRS & MAINTENANCE

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Building	-	-	-	-	-	-
b)	Furniture & Fixtures	-	-	-	-	-	-
c)	Plant & Machinery	-	-	-	-	-	-
d)	Office Equipment	-	-	-	-	-	-
e)	Computers	-	-	-	-	-	-
f)	Laboratory & Scientific Equipment	-	-	-	-	-	-
g)	Audio Visual Equipment	-	-	-	-	-	-
h)	Cleaning Material & Services	-	-	-	-	-	-
i)	Book Binding Charges	-	-	-	-	-	-
j)	Gardening	-	-	-	-	-	-
k)	Estate Maintenance(Operation & Maint.)	93,37,700	-	93,37,700	73,60,800	-	73,60,800
l)	Others (specify)	-	-	-	-	-	-
	Total	93,37,700	-	93,37,700	73,60,800	-	73,60,800

Notes:

Other expenses shall be classified as writes - off, provisions, miscellaneous expenses, loss and sale of Investments, loss of Fixed Assets and loss on sale of Fixed Assets etc., and disclosed accordingly.

SCHEDULE 20: FINANCE COSTS

	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Bank Cahrges	-	16,979	16,979	-	61,948	61,948
b)	Others (specify)	-	-	-	-	-	-
	Total		16,979	16,979		61,948	61,948

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

SCHEDULE 22: PRIOR PERIOD EXPENSES

Amount in Rupees

Sl. No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Establishment Expenses	-	-	-	-	-	-
2	Academic Expenses	-	-	-	-	-	-
3	Administrative Expenses	-	-	-	-	-	-
4	Transportation Expenses	-	-	-	-	-	-
5	Repairs & Maintenacne	-	-	-	-	-	-
6	Others Expenses	-	-	-	-	-	-
	i) HDFC, TDS	2,88,013	-	2,88,013	-	-	-
	Total	2,88,013	-	2,88,013	-	-	-

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2017

Amunt in Rupees

RECEIPTS		Current year	Previous year	PAYMENTS	
				Current year	Previous year
I.	Opening balances			I.	Expenses
	a) Cash Balance	25,000	25,000	a)	Establishment Expenses 1245,92,555
	b) Bank Balances			b)	Academic Expenses 98,21,490
	i) In Current account	10,000	51,965	c)	Administrative Expenses 276,04,154
	ii) In Savings account	(235,85,308)	(32,69,032)	d)	Transportation Expenses 8,95,166
	iii) In deposit account			e)	Repairs & Maintenance 91,92,852
				f)	Prior period expenses
II.	Grants Received			II.	Payments against Earmarked/ Endowment Funds
	a) From Government of India		2421,85,000		41,02,512
	i) Grant for Plan-Capital(Main)	925,00,000			
	ii) Grant for Plan-Capital (NER)	300,00,000			
	iii) Grant for Plan-Recurring	500,00,000			
	vi) Grant for Plan-Recurring(NER)	150,00,000			
	v) Grant for Non-Plan Salary	785,00,000			
	vi) Grant for Non-Plan General	195,00,000			
	vii) Grant Receivable (Capital, NER)	115,00,000			
	viii) Grant Receivable(General, NER)	60,00,000			
	b) From State Government				
	c) From other sources(details)				
	(Grants for capital & revenue exp./ to be shown separately if available)				
III.	Academic Receipts	104,10,151	48,63,999		Payments against Sponsored Projects/Schemes
IV.	Receipts against Earmarked/ Endowment Funds	37,37,776		-IV.	Payments against Sponsored Fellowships/Scholarships

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2017

Amount in Rupees

RECEIPTS		Current year	Previous year	PAYMENTS	
				Current year	Previous year
V.	Receipts against Sponsored Projects/Schemes			V.	Investments and Deposits made
				a)	Out of Earmarked/Endowments funds
				b)	Out of own funds (Investments-Other)
VI.	Receipts against sponsored Fellowships and Scholarships			VI.	Term Deposits with Scheduled Banks
					2395,72,387
VII.	Income on Investments from				
	a) Earmarked/Endowment funds				
	b) Other investments				
				VII.	Expenditure on Fixed Assets and Capital Works-in-progress
				a)	Fixed Assets
					398,53,634
				b)	Capital Works-in-progress
					300,13,340
VIII.	Interest received on			VIII.	Other Payments including
	a) Bank Deposits	177,49,230	58,076		Statutory payments
	b) Loans and Advances	35,451	59,720		95,13,922
	c) Savings Bank Accounts	11,82,044	7,30,425		80,35,694
IX.	Investments encashed			IX.	Refunds of Grants
X.	Term Deposits with Scheduled Banks encashed	1524,12,972	1010,73,458	X.	Deposits and Advances
XI.	Other Income(including peior period income)	15,26,555	20,64,049	XI.	Other Payments
					184,38,570
XII.	Deposits and Advances	163,11,298	153,51,173	XII.	Closing balances
				a)	Cash in hand
					21,287
XIII.	Miscellaneous Receipts including			b)	Bank balances
	Statutory Receipts	259,19,248	234,27,604		In Current account
					-
XIV.	Any Other Receipts	19,40,668	142,38,812		In Savings account
					(155,18,816)
					In deposit account
					(235,85,308)
		5106,75,085	4008,60,249		
					5106,75,085
					4008,60,249

PROVIDENT FUND ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2017

Amount in Rupees

Amount 31/Mar/16	Liabilities	Amount 31/Mar/17	Amount 31/Mar/16	Assets	Amount 31/Mar/17
	GPF		616,18,681	Investment	722,17,293
537,13,918	Opening Balance	653,44,597	57,50,441	Int. accrued as on 31/03/17	30,60,141
26	Less: Subscription adjustment			Subscription Due for March, 2017	
103,77,899	Add: Subscription in the Year	110,69,370		GPF	
1,87,605	Add: Recovery of GPF Advance	93,375		GPF Advance	
-	Add: Sub for March 2016			CPF	
49,61,785	Add: Interest Credited	55,10,015		UC due to CPF	
38,96,584	Less: Advance/withdrawal	60,66,583		NPS-II	
653,44,597	Closing Balance	759,50,774		Tax recovered from interest on Investments Pending refund from Income Tax Department	
	<u>CPF</u>			<u>Cash at Bank</u>	
	Opening Balance		9,03,197	SBI, Branch-I	34,89,279
	Less: Sub. For March 2015			SBI, Branch-II	
	Add: Subscription in the Year			Cash in hand	
	Add: Sub. For March 2016				
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				
	Univercsity Contribution (CPF)				
	Opening Balance				
	Less: Contribution for March 2014				
	Add: Subscription in the Year				
	Add: Contribution for March 2015				
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				

PROVIDENT FUND ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2017

Amount in Rupees

Amount 31/Mar/16	Liabilities	Amount 31/Mar/17	Amount 31/Mar/16	Assets	Amount 31/Mar/17
	<u>NPS Tier-II Account</u>				
	Opening Balance				
	Less: Sub. For March 2014				
	Add: Subscription in the Year				
	Add: Sub. For March 2015				
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				
	<u>Interest Reserve</u>				
27,50,175	Opening Balance	29,27,722			
26	Add, subscription adjustment				
1,77,521	Add, Excess of Income over Expenditure				
-	Less, Excess of Expenditure over Income	2,78,170			
	Closing Balance	26,49,552			
	Cheque Cancellation	1,66,387			
682,72,319	Total:	787,66,713	682,72,319	Total	787,66,713

PROVIDENT FUND ACCOUNT INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017					
Amount in Rupees					
Amount 31/Mar/16	Expenditure	Amount 31/Mar/17	Amount 31/Mar/16	Income	Amount 31/Mar/17
	Interest Credited to :				
49,61,785	GPF Account	55,10,015	50,64,134	Interest earned on Investment	51,04,356
	CPF Account			Add: Interest accrued on 31/3/17	-
	University Contribution (CPF)		75,172	Add, Interest on savings account	1,27,718
	NPS Tier-II Account			Add: Tax recovered on interest - Refund to be obtained	
	Bank Charges	229			
1,77,521	Excess of Income over Expenditure			Less: Interest accrued for March- 17	
				Excess of Expenditure over Income	2,78,170
51,39,306	Total	55,10,244	51,39,306	Total	55,10,244

PROVIDENT FUND ACCOUNT
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2016-17

Amount in Rupees

Amount 31//16	Receipts	Amount 31/Mar/17	Amount 31/Mar/16	Payments	Amount 31/Mar/17
	Opening Balance as on 1/4/14	9,03,197	-	GPF Adv./Withdrawal	60,66,583
1,57,932	SBI, Branch-I	-	-	CPF Adv./Withdrawal	-
	SBI, Branch-II	-	-	NPS Tier-II	-
64,81,315	GPF Subscription	110,69,370	-	University Contribution Withdrawal	-
	GPF Adv./Withdrawal	2,59,762	-		-
	CPF Subscription	-	-	Bank Charges	229
	CPF University Contribution	-	60,00,000	Investment during the year	60,00,000
	NPS Tier-II Account	-	-	Closing Balance:-	-
1,173	Investment Encashed	29,72,498	9,03,197	SBI, Branch-I	34,89,279
75,172	Interest Received	3,51,264		SBI, Branch-II	-
1,87,605	GPF Advance recovery	-		Bank	-
69,03,197	Total	155,56,091	69,03,197	Total	155,56,091

SCHEDULES FORMING PART OF ACCOUNTS

SCHEDULE 23 – ACCOUNTING POLICIES

a	<i>The Basis of preparation of Accounts</i>	<p>1) The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.</p> <p>2) This Institute financed by the Govt. of India, Ministry of Human Resource Development receives grants and compiles the accounts with proper Schedules:</p> <ul style="list-style-type: none"> ➤ Balance Sheet ➤ Income and Expenditure Account ➤ Receipts and Payments Account.
b	<i>Revenue Recognition</i>	Gratuity and Leave Encashment are accounted for on cash basis
c	<i>Accounting for income from and expenditure on specialized activities such as Research</i>	No income and expenditure on research.
d	<i>Conversion or translation of foreign currency (in case of organization receiving foreign funds/Incurring expenditure in Foreign Exchange on import).</i>	Earning In foreign currency – Nil

e	<p><i>Method(s) of depreciation</i></p> <p>Depreciation is provided on straight line basis as per rates specified by the Ministry of Human Resource Development, Department of Higher Education, New Delhi.</p> <table border="0" data-bbox="304 315 1061 831"> <thead> <tr> <th style="text-align: left;">Fixed Assets</th> <th style="text-align: left;">Rate of Depreciation</th> </tr> </thead> <tbody> <tr><td>Residential Building</td><td>2%</td></tr> <tr><td>Office Building</td><td>2%</td></tr> <tr><td>Hostel Building</td><td>2%</td></tr> <tr><td>Plant & Machinery</td><td>5%</td></tr> <tr><td>Furniture & Fixtures</td><td>7.5%</td></tr> <tr><td>Computer & Peripherals</td><td>20%</td></tr> <tr><td>Library Books and Scientific Journals</td><td>10%</td></tr> <tr><td>Electric Installation and Equipment</td><td>5%</td></tr> <tr><td>Audio visual Equipment</td><td>7.5%</td></tr> <tr><td>Office Equipment</td><td>7.5%</td></tr> <tr><td>Scientific and Laboratory Equipment</td><td>8%</td></tr> <tr><td>Tube Wells and Water Supply</td><td>2%</td></tr> <tr><td>Computer Software</td><td>40%</td></tr> </tbody> </table> <p>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.</p>	Fixed Assets	Rate of Depreciation	Residential Building	2%	Office Building	2%	Hostel Building	2%	Plant & Machinery	5%	Furniture & Fixtures	7.5%	Computer & Peripherals	20%	Library Books and Scientific Journals	10%	Electric Installation and Equipment	5%	Audio visual Equipment	7.5%	Office Equipment	7.5%	Scientific and Laboratory Equipment	8%	Tube Wells and Water Supply	2%	Computer Software	40%	
Fixed Assets	Rate of Depreciation																													
Residential Building	2%																													
Office Building	2%																													
Hostel Building	2%																													
Plant & Machinery	5%																													
Furniture & Fixtures	7.5%																													
Computer & Peripherals	20%																													
Library Books and Scientific Journals	10%																													
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Office Equipment	7.5%																													
Scientific and Laboratory Equipment	8%																													
Tube Wells and Water Supply	2%																													
Computer Software	40%																													
f	<i>Valuation of inventories</i>	No Inventory																												
g	<i>Valuation of investments</i>	<ul style="list-style-type: none"> ➤ Investments classified as “long term investments” are carried at cost. Provision for decline, other than temporary, is made in carrying cost of such investments. ➤ 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. ➤ Cost includes acquisition expenses like brokerage, transfer stamps. 																												
h	<i>Treatment of employee benefits</i>	<ul style="list-style-type: none"> ➤ Payment to employees are accounted for on accrual basis ➤ Gratuity and Leave Encashment benefits at retirement are paid on Death/Retirement of Employees on cash basis. 																												
I	<i>Valuation of fixed assets</i>	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.																												
j	<i>Treatment of Contingent liabilities</i>	Disclosed in Notes On Accounts.																												

k	<i>Expenditure during construction</i>	Accounted for as Work-in- progress which is Rs.779.61 Lacs as on 31.03.2017
l	<i>Assets of small value</i>	Assets has been considered with value and life of asset.
m	<i>Accounting treatment of leasehold land</i>	Leasehold land appears in accounts at cost. The lease period is of 999 years.
n	<i>Accounting of Earmarked funds and Endowment Funds with a brief description of each fund.</i>	Disclosed in Schedule 2 of statement of accounts.
o	<i>Amortization of wasting assets</i>	No amortization of wasting assets.
p	<i>Accounting treatment of Plan/Non-plan Grants received from Govt.</i>	<ul style="list-style-type: none"> ➤ Government grants of the nature of contribution towards capital cost of setting up projects are treated as Capital Fund. ➤ Grants in respect of specific fixed assets acquired are shown as a deduction from the cost of the related assets. ➤ Government grants/subsidy are accounted on accrual basis.
q	<i>Accounting treatment of sponsored Projects/Schemes/Programmes (Receipts and expenditure) and income from such schemes (Overhead recoveries, institutional charges/project management fees etc.)</i>	Disclosed in Schedule 2 of statement of accounts
r	<i>Accounting treatment of Assets acquired out of sponsored project funds and earmarked Funds</i>	Capitalized as asset.
s	<i>Accounting treatment of Fellowships and Scholarships</i>	No such money is received.
t	<i>Classification and treatment of Deferred Revenue Expenditure</i>	Revenue Expenditure are accounted for the year.
u	<i>Treatment of Assets acquired by the Grantee institutions out of grants given to them by the institutions (if applicable).</i>	No such asset acquired.
v	<i>Taxation status</i>	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.

SCHEDULES FORMING PART OF ACCOUNTS

SCHEDULE 24 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

A. CONTINGENT LIABILITIES

1	<i>Claim against the Entity not acknowledge as debts</i>	Nil
2	<i>Guarantees and Letters of credit outstanding</i> <ul style="list-style-type: none"> ➤ Bank guarantees given by/on behalf of the Institute ➤ Letters of Credit opened by Bank on behalf of the Institute ➤ Bills discounted with banks - 	Rs.15,26,390/- NIL NIL
3	<i>Other items for which the entity is contingently liable</i>	NIL

B. NOTES ON ACCOUNTS

1	<i>Commitments on capital Account not provided for</i>	Rs. 679.85 Lacs
2a	<i>Educational institutions should host following information in public domain so as to enable all other stakeholders to have a bird’s eye view of educational institution’s capacity and capability :</i> <ul style="list-style-type: none"> i. <i>No. of students : STTP-6315, M.Tech-103 (1ST and 2ND year)</i> ii. <i>Number of teachers : 32 + Director</i> iii. <i>Collection on account of building fund and expenditure thereof : Nil</i> iv. <i>Collection for sports activities and expenditure thereof : Nil</i> v. <i>Collection for co-curricular activities and expenditure thereof : Nil</i> vi. <i>Collection on account of development charges and expenditure thereon: Nil</i> vii. <i>Collection for medical expenses and expenditure thereon : Nil</i> viii. <i>Compliance with statutory dues like EPF and ESI: Complied with.</i> ix. <i>Salary structure of teachers : As per UGC guidelines</i> 	
2b	<i>Number of Library Books in hand as on 31.03.2017 (previous year 23,309)</i>	23,650
3	<i>Related Party Disclosures</i> <ul style="list-style-type: none"> i. <i>As per Accounting standard (AS) 18, Related Party Disclosures, issued by the Institute of Chartered Accountants of India.:</i> ii. <i>The transaction between the educational institution and the trust or society managing the educational institution.</i> iii. <i>Transaction between the educational institution and the trustees or the members of the governing body of the educational Institution</i> iv. <i>Transaction between the educational institution with another educational institution or any other educational entity managed by the same trust or society, if permitted by the relevant legislation/bye-laws etc.</i> v. <i>Transaction between the educational institution and the relatives of the trustees, or members of the governing body managing the educational institution or the author of the trust or the founder of the institution. For this purpose, a relative, in the context of an individual, means “the spouse, son, daughter, brother and other who may be expected to influence, or influenced by, that individual in his/her dealing with the educational institution”.</i> vi. <i>Transaction between the educational institution and its ‘key management personnel’ or the relatives of the management personnel. Key management personnel would represent those persons in the educational institution who have the authority and responsibility for planning, directing and controlling the activities of the educational institution, an example of key management personnel is the principal/Vice Chancellor.</i> 	Nil Nil Nil Nil Nil Nil



Contact

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA

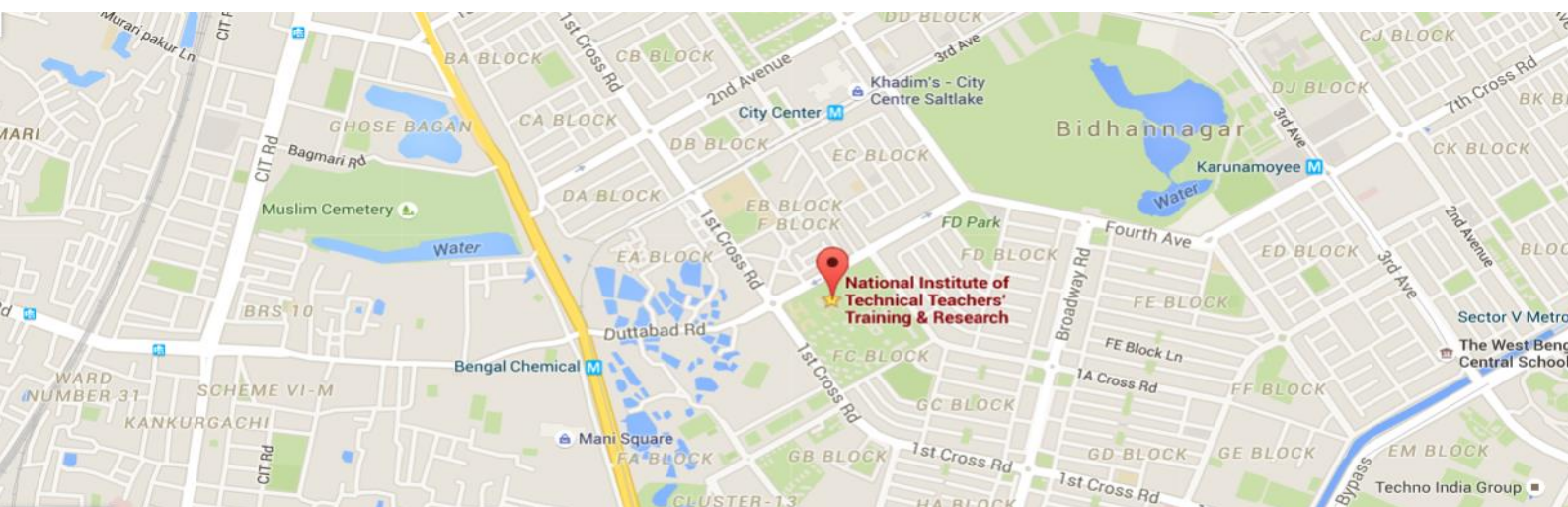
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How to Reach NITTR, Kolkata

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Distance:

- From Howrah Railway Station: **42 min** (8.1 km) via Maniktala Main Road
- From Sealdah Station: **26 min** (7.4 km) via Beliaghata Main Road and Broadway Road
- From Kolkata Railway Station: **16 min** (4.8 km) via Canal Circular Road
- From Shalimar Station: **38 min** (18.8 km) via Parama Island Flyover
- From Netaji Subhas Chandra Bose International Airport: **27 min** (11.5 km) via Kazi Nazrul Islam Sarani/VIP Road

Google map link: <https://goo.gl/maps/L5ipiMcukWR2>



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