

ANNUAL REPORT

2019-20



National Institute of Technical Teachers'
Training and Research, Kolkata

ANNUAL REPORT

(April 01, 2019 – March 31, 2020)



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

Block-FC, Sector-III, Salt Lake City, Kolkata-700 106

Website: www.nittrkol.ac.in

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VISION

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

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.

Director's Message



Namaskar,

I am pleased to submit the annual report of NITTR Kolkata for the financial year 2019-20 for kind perusal and consideration of the honourable stakeholders of our Institute. The report contains institutional achievements and the financial statements casted in formats approved by the Ministry of Education, Govt. of India.

In 2019-20, the Institute conducted - 223 short term training programs on different technical and management subjects both on contact mode and ICT mode. These programmes were attended by 20896 Trainees, who are engaged in teaching in various polytechnic and engineering degree colleges located across the country.

Furthermore, the Institute conducted 11 workshops on different topics related to curriculum development and implementation, NBA and Training Need Analysis, in which there were 410 participants.

Besides these training programmes, Institute offers full time M.Tech courses in Manufacturing Technology, Mechatronics Engineering, Multimedia and Software Systems and Structural Engineering. In this year, 41 students received their M.Tech degrees and also two Ph. D. research scholar under QIP has been pursuing their research work. The exemplary research work conducted by faculty members and students and have culminated in publication of several papers.

Faculty members have published 40 research papers in reputed journals and conferences and 7 book chapters. Further, 22 educational video films for the nationwide broadcast by the Gyan Darshan Channel of Doordarshan are produces during this period.

Besides all these events, the Institute has celebrated successfully several events namely Anti-terrorism Day, World Tobacco Day, World Environment Day, Yoga Day, Jal Shakti Abhiyan, National Education Policy on Higher Education, Independence Day, FIT India Movement, Hindi Diwas, Swachhata Pakhwada, Rashtriya Ekta Diwas, Vigilance Awareness Week, Constitution Day, National Education Day, Republic Day, Pariksha Pe Charcha and Mother Tongue Day.

I take this opportunity to solicit cooperation and active participation from all the stakeholders of the Institute to our endeavour of repositioning ourselves in both national and international arena successfully. Last but not the least, we will usher a new horizon in technical education system of India, working together as a synergic team. Let all the happy, let all be healthy, let us all feel auspiciousness, let no one be overwhelmed by grief.

ॐ सर्वे भवन्तु सुखिनः।
सर्वे सन्तु निरामयाः।
सर्वे भद्राणि पश्यन्तु।
मा कश्चित् दुःख भागभवेत्॥
ॐ शान्तिः शान्तिः शान्तिः॥

(Debi Prasad Mishra)

Director

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

Email: director@nittrkol.ac.in

ABOUT US

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata was established in 1965 as Technical Teachers' Training Institute (TTTI, ER) 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 three sister institutes located at Chandigarh, Bhopal & Chennai and renamed them as National Institute of Technical Teachers' Training & Research, Kolkata, Chandigarh, Bhopal and Chennai respectively.

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 Maulana Abul Kalam Azad University of Technology, West Bengal (earlier known as 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), Welding Centre, CAD/CAM Centre, Library 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.

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 in 2019-20 is as follows:

LIST OF MEMBERS OF NITTTR, KOLKATA SOCIETY

S. No.	Name and Address	Designation
1	Shri Harshavardhan Neotia Chairman AmbujaNeotia Group	Chairman
2	Joint Secretary to the Government of India Ministry of HRD, Dept. of Higher Education, Government of India	Member
3	Joint Secretary and Financial Adviser (HRD) IFD, Ministry of HRD, Dept. of Higher Education, Government of India	Member
4	Dr. Ajoy Kumar Ray (Representative of Member Secretary, AICTE) Ex-Professor, Electronics and Electrical Communication, IIT, Kharagpur	Member
5	Director Department of Technical Education Government of Assam	Member
6	Director Department of Science & Technology Government of Jharkhand	Member
7	Director Department of Technical Education Government of Manipur	Member
8	Director Department of Technical Education Government of Uttar Pradesh	Member
9	Director Department of Technical Education Government of Haryana	Member
10	Vice Chancellor Maulana Abul Kalam Azad University of Technology Government of West Bengal	Member
11	Director NITTTR, Kolkata	Member Secretary

LIST OF MEMBERS OF BOARD OF GOVERNORS, NITTTR, KOLKATA

S. No.	Name and Address	Designation
1	Shri Harshavardhan Neotia Chairman AmbujaNeotia Group	Chairman
2	Joint Secretary to the Government of India Ministry of HRD, Dept. of Higher Education, Government of India	Member
3	Joint Secretary and Financial Adviser (HRD) IFD, Ministry of HRD, Dept. of Higher Education, Government of India	Member
4	Dr. Ajoy Kumar Ray (Representative of Member Secretary, AICTE) Ex-Professor, Electronics and Electrical Communication, IIT, Kharagpur	Member
5	Director Department of Technical Education Government of Assam	Member
6	Director Department of Science & Technology Government of Jharkhand	Member
7	Director Department of Technical Education Government of Manipur	Member
8	Director Department of Technical Education Government of Uttar Pradesh	Member
9	Director Department of Technical Education Government of Haryana	Member
10	Vice Chancellor Maulana Abul Kalam Azad University of Technology Government of West Bengal	Member
11	Prof. Virendra Kumar Tewari Director IIT, Kharagpur	Member
12	Shri Sajjan Bhajanka (upto 15/07/2019) Chairman and Managing Director Century Plyboards (India) Ltd.	Member
13	Prof. Dipankar Bose (upto 25/12/2019) Professor, Mechanical Engineering NITTTR, Kolkata	Member
	Prof. Jagat Jyoti Mondal (From 26/12/2019) Professor, Civil Engineering NITTTR, Kolkata	Member
14	Director NITTTR, Kolkata	Member Secretary

LIST OF MEMBERS OF FINANCE COMMITTEE, NITTTR, KOLKATA

S. No.	Name and Address	Designation
1	Shri Harshavardhan Neotia Chairman AmbujaNeotia Group	Chairman
2	Joint Secretary to the Government of India Ministry of HRD, Dept. of Higher Education, Government of India	Member
3	Joint Secretary and Financial Adviser (HRD) IFD, Ministry of HRD, Dept. of Higher Education, Government of India	Member
4	Director Department of Technical Education Government of Assam	Member
5	Director NITTTR, Kolkata	Member Secretary

LIST OF MEMBERS OF BUILDING AND WORKS COMMITTEE, NITTTR, KOLKATA

Sl. No	Name & Address	Designation
1.	Chief Engineer, EZ-III, CPWD, ER	Chairman
2.	Director of Technical Education, Government of Jharkhand	Member
3.	Executive Engineer, KCD-V, CPWD, ER	Member
4.	Group General Manager, RITES, Regional Office, Kolkata	Member
5.	Head, Civil Engineering, NITTTR, Kolkata	Member, Ex-officio
6.	FIC, Estate, NITTTR, Kolkata	Member, Ex-officio
7.	Director, NITTTR, Kolkata	Member Secretary

LIST OF MEMBERS OF ACADEMIC COUNCIL, NITTTR, KOLKATA

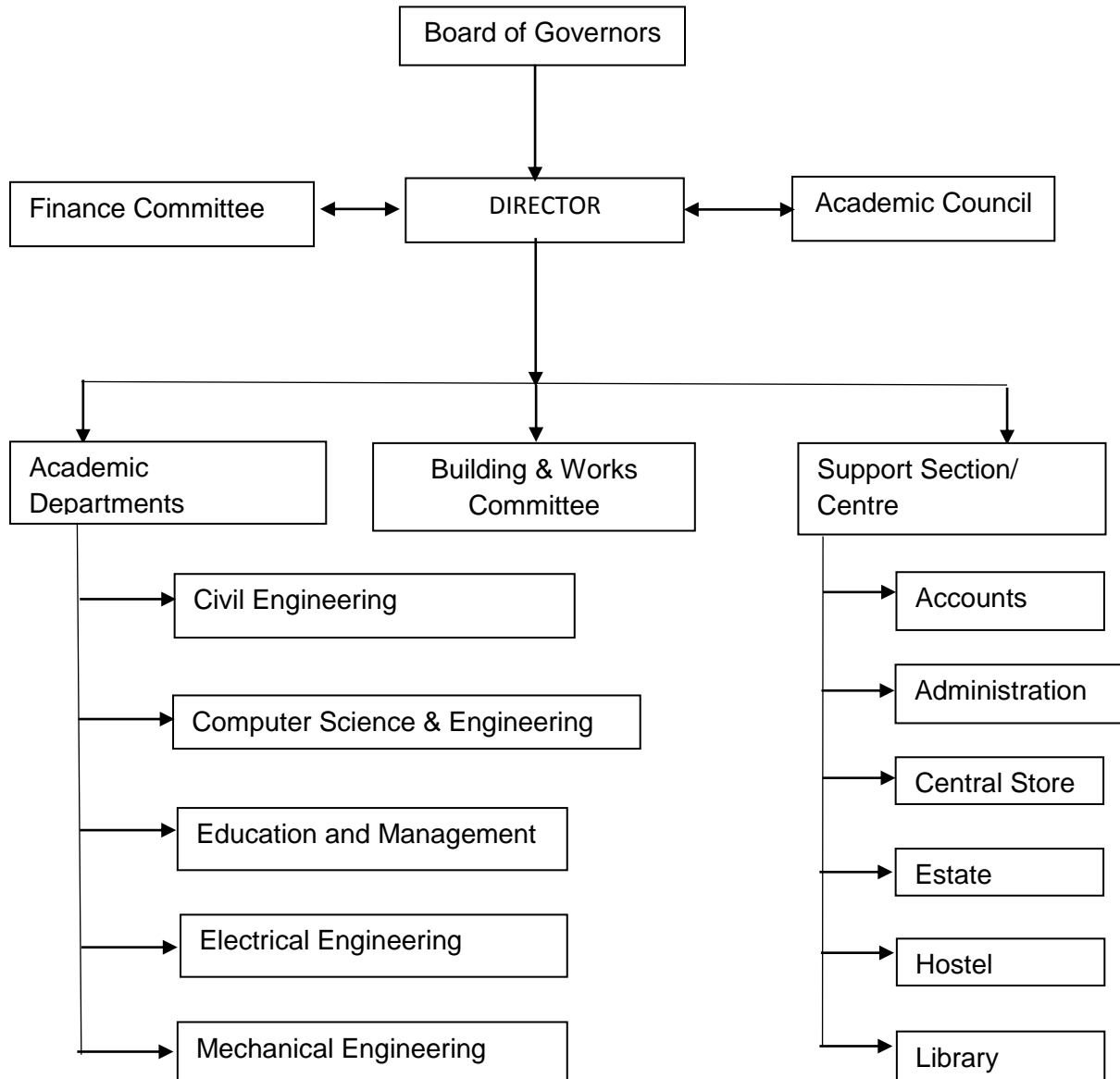
Sl. No.	Name	Designation
1.	Dr. Phalguni Gupta, Director	Ex-Officio Chairman
2.	Dr. Samir Roy, Professor	Secretary
3.	Dr. Suchitangshu Chatterjee Retired GM (R&D and Product Development), MECON Limited.	External Member
4.	Dr. Saibal Chattopadhyay, Professor, IIM, Kolkata	External Member
5.	Dr. Prasanta Sarkar, Professor	Member
6.	Dr. Soumitra Kumar Mandal, Professor	Member
7.	Dr. Subrata Chattopadhyay, Professor	Member
8.	Dr. Ranjan Dasgupta, Professor	Member
9.	Dr. Chandan Chakraborty, Professor	Member
10.	Dr. Dipankar Bose, Professor	Member
11.	Dr. Samiran Mandal, Professor	Member
12.	Dr. Urmila Kar, Professor	Member
13.	Dr. Udai Chand Kumar, Professor	Member
14.	Dr. Jagat Jyoti Mandal, Professor	Member
15.	Dr. Santanu Bhanja, Professor	Member
16.	Dr. Sailendra Nath Mandal, Professor	Member
17.	Mr. Nirmal Kumar Mandal, Associate Professor	Member
18.	Dr. Sukanta Kumar Naskar, Associate Professor	Member
19.	Dr. Sagarika Pal, Assistant Professor	Member
20.	Dr. Habiba Hussain, Assistant Professor	Member

DATES OF MEETINGS

ACADEMIC COUNCIL MEETING 30 th Meeting on 10 April 2019 31 st Meeting on 19 December 2019	BUILDING & WORKS COMMITTEE MEETING 29 th Meeting on 27 September 2019 30 th Meeting on 03 December 2019
FINANCE COMMITTEE MEETING 32 nd Meeting on 20 June 2019 33 rd Meeting on 30 September 2019 34 th Meeting on 11 January 2020	BOARD OF GOVERNORS MEETING 35 th Meeting on 20 June 2019 36 th Meeting on 30 September 2019 37 th Meeting on 11 January 2020

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 31st March 2020, besides the Director, there are 25 faculty members in the Institute. Out of which, there are 13 Professors, 6 Associate Professor and 6 Assistant Professors. Also, the Institute has 2 Group 'A' Officers. Organizational structure of the Institute is given below.



ACHIEVEMENTS

SHORT-TERM TRAINING PROGRAMMES AND E-LEARNING (ICT-MODE) PROGRAMMES

During the period (1st April 2019 to 31st March 2020), the Institute has conducted 223 [156 nos. Short-Term (Contact Mode), 13 nos. Short-Term (ICT Mode), 16 nos In-House and 38 Special] Programmes to train 20896 faculty members, officers and staff members of various Polytechnics, Engineering Colleges, Universities and other organizations across the country. Table 1 shows summary of various activities (other than M. Tech. Programme) organized across the country.

Table 1: Summary of Target and Achievements

Sl. No.	Institutional Activities	Parameters	Target (No.)	Achieved (No.)
1.	Education & Training Programmes for Degree & Diploma Level Technical Institutions and Industry	No. of Short Term Training Programmes (Contact Mode) as per approved in Academic Calendar	204	156
		No. of In-House Programme	-	16
		No. of Special Programme	-	38
		No. of Short Term Training Programmes (ICT Mode) as per approved in Academic Calendar	22	13
		TOTAL	226	223
		No. of Participants (Contact Mode)	5500	3679
		No. of Participants In-House Programme	-	762
		No. of Participants Special Programme	-	1302
		No. of Participants (ICT Mode)	10000	15153
		TOTAL	15500	20896
2.	Curriculum Development/ Curriculum Revision for Diploma Courses	As per Demand	-	22 on process
		No. of Participants	-	56
3.	Instructional Materials Development	Educational Video Films for Gyandarshan Channel	20	13
4.	Seminar/Workshop Organised	Regional Workshop	-	1
		No. of Participants	-	87
		NBA Accreditation	-	4
		No. of Participants	-	62
		Curriculum	-	2
		No. of Participants	-	92
		Others	-	4
No. of Participants	-	169		

Table 2 shows the number of STTPs organized under different modes.

Table 2: STTP-wise Target & Achieved

Sl. No.	STTPs	Target	Achieved
1	Contact Mode (Contact Mode as per approved by Academic Calendar + In-House + Special)	204	210
2	ICT Mode	22	13
Total		226	223

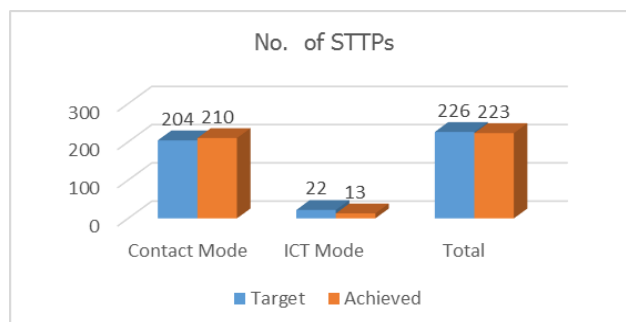
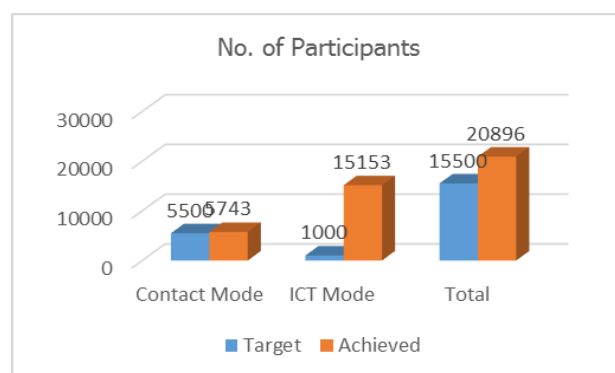


Table 3 provides the information about the number of participants who attended STTPs under various modes.

Table 3: Participant-wise Target & Achieved

Sl. No.	STTPs	Target	Achieved
1	Contact Mode (Contact Mode as per approved by Academic Calendar + In-House + Special)	5500	5743
2	ICT Mode	1000	15153
Total		15500	20896



Comparison on the number of STTPs held in last 5 years has been shown in Figure 1.

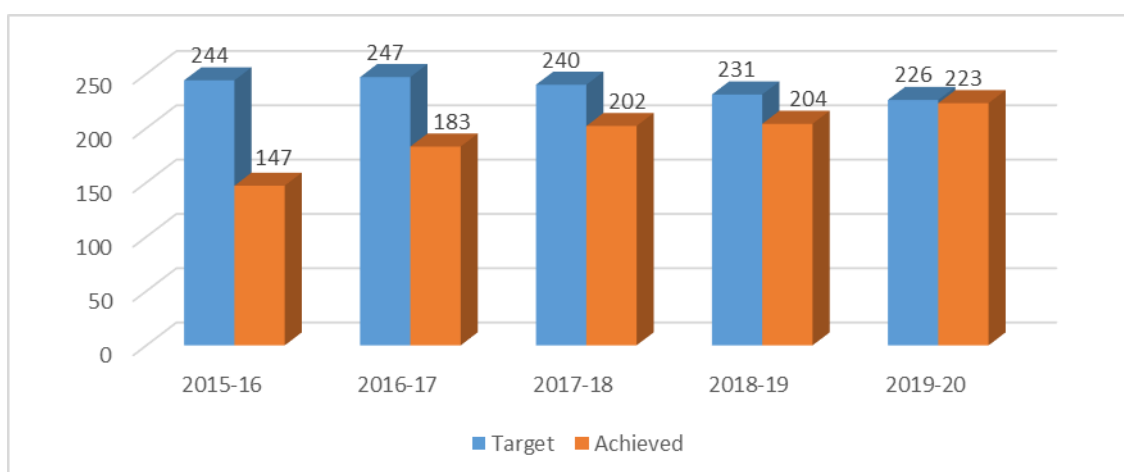


Figure 1: No. of STTPs Targeted Vs Achieved in Last 5 years

Figure 2 shows the comparative study on the number of participants in STTPs held in last 5 years

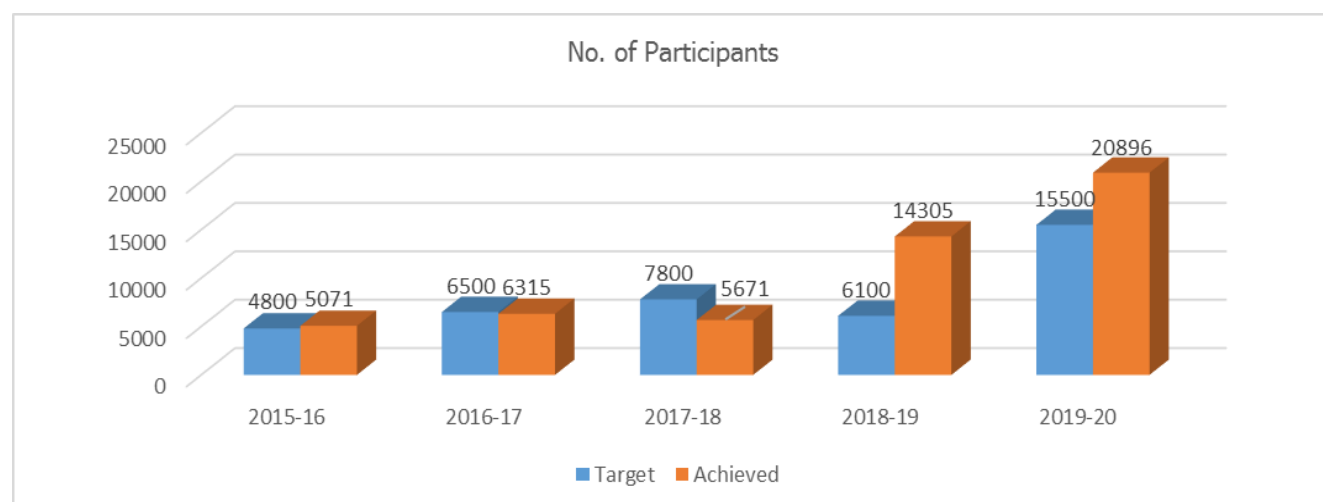


Figure 2: No. of Participants in Targeted Vs Achieved in STTPs in last 5 years

Distribution of STTPs organized in different venues under various modes is shown in Table 4. It also provides information on the number participants attended these programmes. Figure 3 shows the percentage-wise distribution of number of participants attended in different venues/ modes while that of various STTPs conducted is shown in Figure 4.

Table 4: Summary of Short-Term Training Programmes (STTP) Venue-Wise

Sl. No.	Summary (STTP)	No. of STTP	No. of Participants
1	NITTTTR, Kolkata	128	3146
2	Bhubaneswar Extension Centre	18	385
3	Guwahati Extension Centre	10	148
4	In-House Programmes	16	762
5	Special Programme	38	1302
6	E-Learning (ICT Mode)	13	15153
TOTAL		223	20896

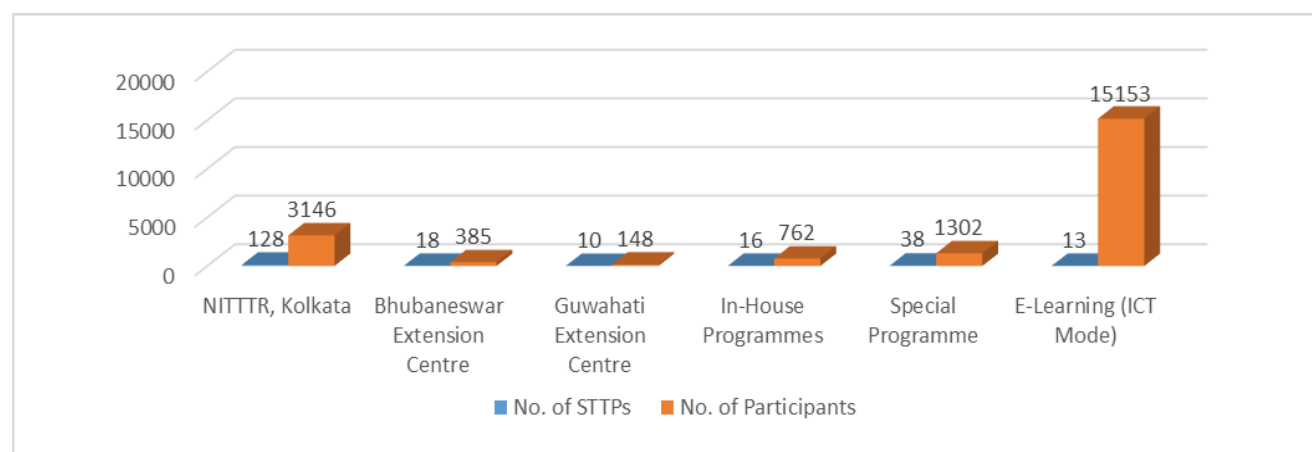
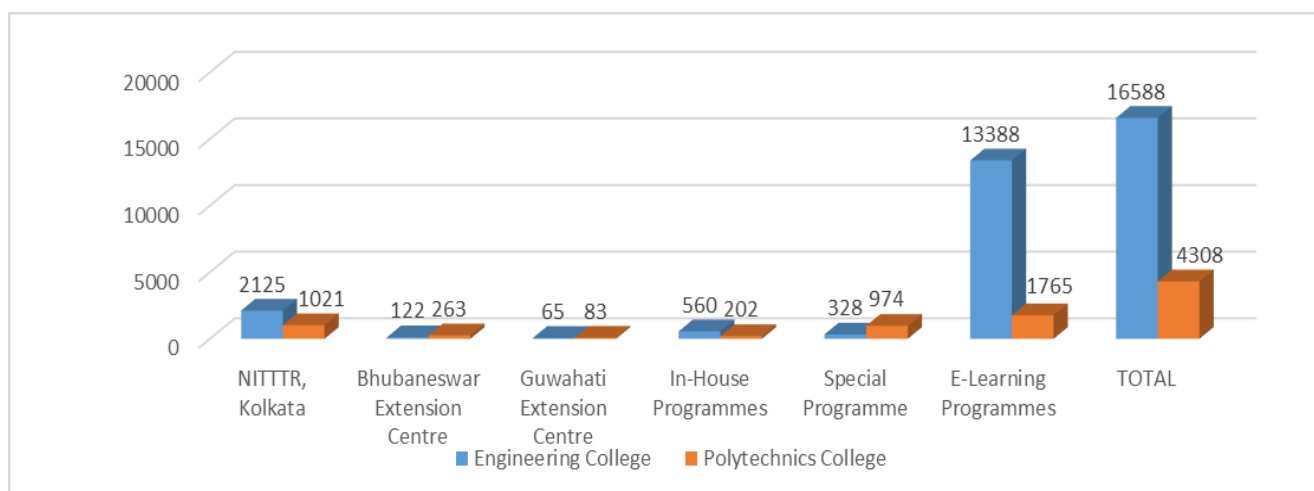


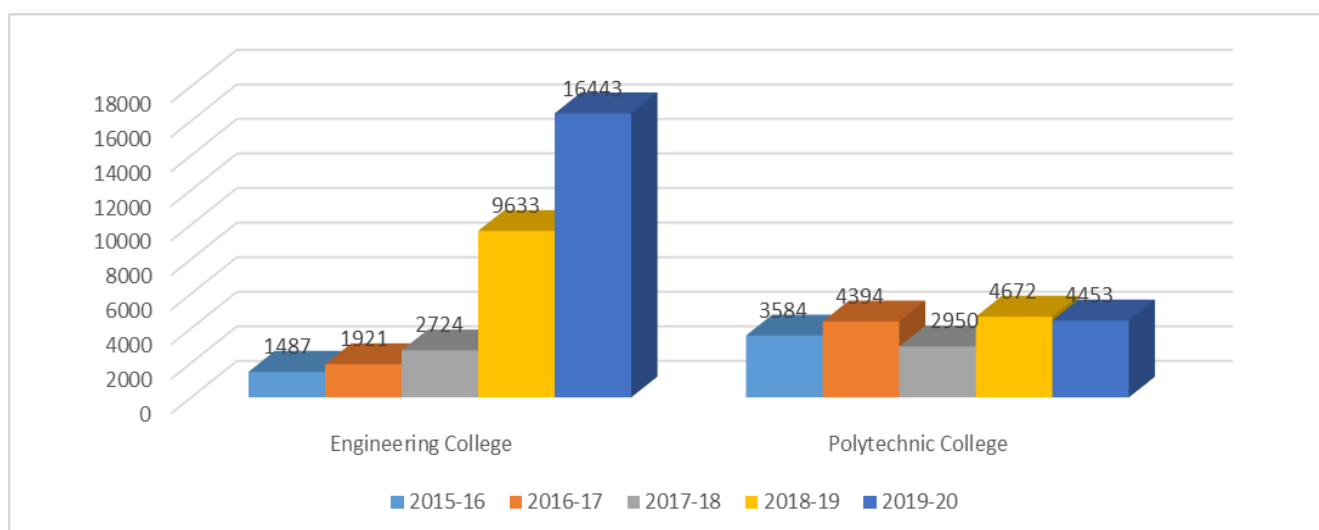
Figure 3: Venue-wise No. of Programmes Vs Participants

Table 5: Summary of Short-Term Training Programme: Venue-wise

Sl. No	Programme Venue	Teacher/Staff Participants from Technical Institutions of		Total
		Engineering Colleges	Polytechnic College	
1	NITTTR, Kolkata	2125	1021	3146
2	Bhubaneswar Extension Centre	122	263	385
3	Guwahati Extension Centre	65	83	148
4	In-House Programmes	560	202	762
5	Special Programme	328	974	1302
6	E-Learning Programmes (ICT Mode)	13388	1765	15153
	GRAND TOTAL	16588	4308	20896

*Figure 4: No. of Participants Engineering College Vs Polytechnic College*

Distribution of the number of STTPs from different types of Institutes (i.e. Engineering and Polytechnics colleges) over last 5 years is given in Figure 5.

*Figure 5: Institute-wise Distribution of Participants over Last 5 Years*

It has also been found that participation from Private Institutes is more than that from Government Institutes during the Academic Year 2019-20. The distribution is shown in Table 6 and in Figure. 6.

Table 6: Distribution of participants from Government Vs Private Institutions

Sl. No.	Programme Venue	Teacher/Staff Participants from Technical Institutions of		Total
		Government Institute	Private Institute	
1	NITTTTR, Kolkata	1212	1934	3146
2	Bhubaneswar Extension Centre	265	120	385
3	Guwahati Extension Centre	124	24	148
4	In-House Programmes	693	69	762
5	Special Programme	1239	63	1302
6	E-Learning Programme (ICT Mode)	1452	13701	15153
GRAND TOTAL		4985	15911	20896

Distribution of participation in STTPs from different types of Institutes (i.e. Government and Private colleges) over last 5 years is given in Figure 6.

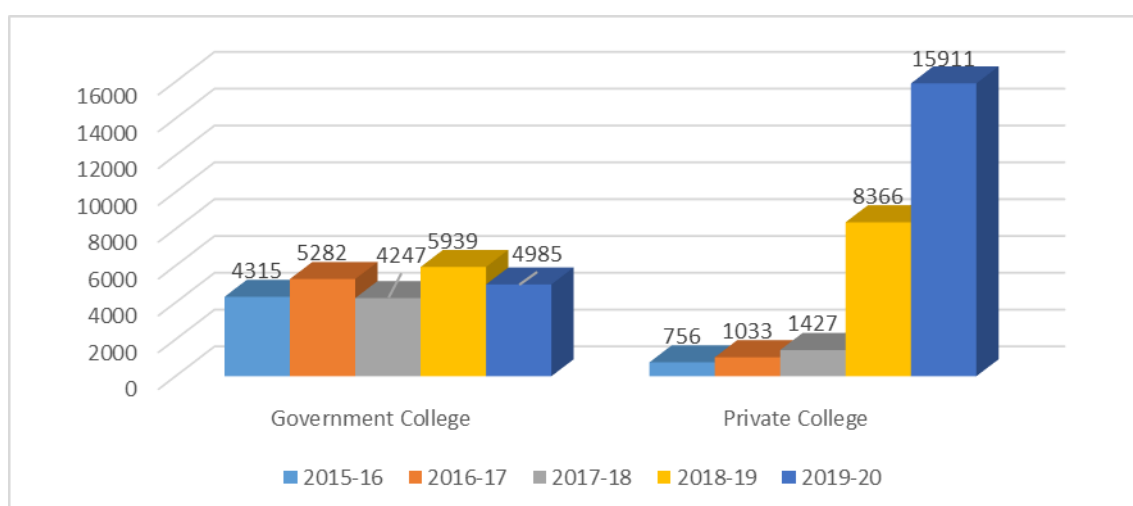


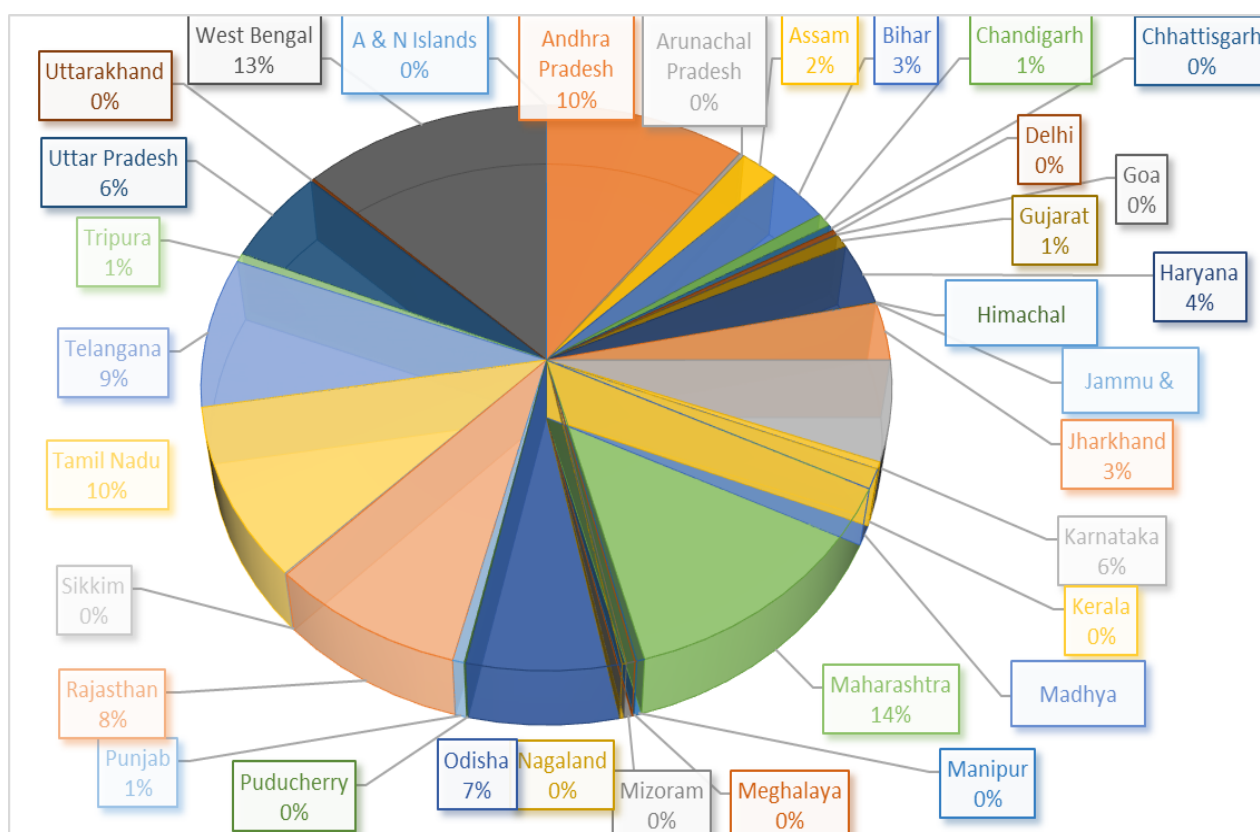
Figure 6: Distribution of Participants from Government Vs Private institutions over Last 5 Years

It can also be noted that Institute has trained 20896 Nos. participants from 31 Nos. different States and Union Territories. Table 7 and Figure 7 represent the state-wise participation in STTPs:

Table 7: State-wise participation in STTPs

Sl. No.	Name of the State	No. of Participants
1	Arunachal Pradesh	51
2	Andhra Pradesh	2165
3	Assam	414
4	Bihar	671
5	Chandigarh	161
6	Chhattisgarh	77
7	Delhi	60
8	Goa	10
9	Gujarat	162
10	Haryana	750
11	Jammu & Kashmir	6
12	Jharkhand	696
13	Karnataka	1197
14	Kerala	84
15	Madhya Pradesh	234
16	Maharashtra	2841

Sl. No.	Name of the State	No. of Participants
17	Manipur	70
18	Meghalaya	19
19	Mizoram	76
20	Nagaland	39
21	Odisha	1377
22	Puducherry	12
23	Punjab	106
24	Rajasthan	1761
25	Sikkim	17
26	Tamil Nadu	2060
27	Telangana	1796
28	Tripura	106
29	Uttar Pradesh	1153
30	Uttarakhand	34
31	West Bengal	2691
	Total	20896

**Figure 7: State-wise participation in STTPs**

Category-wise participation in the training programmes given in Table 8.

Table 8: Category-wise Participation in STTPs

Category	No. of Participants	Percentage-wise Participants
General	13134	62.85
OBC	4838	23.15
SC	1898	9.10
ST	1026	4.91
Total	20896	-

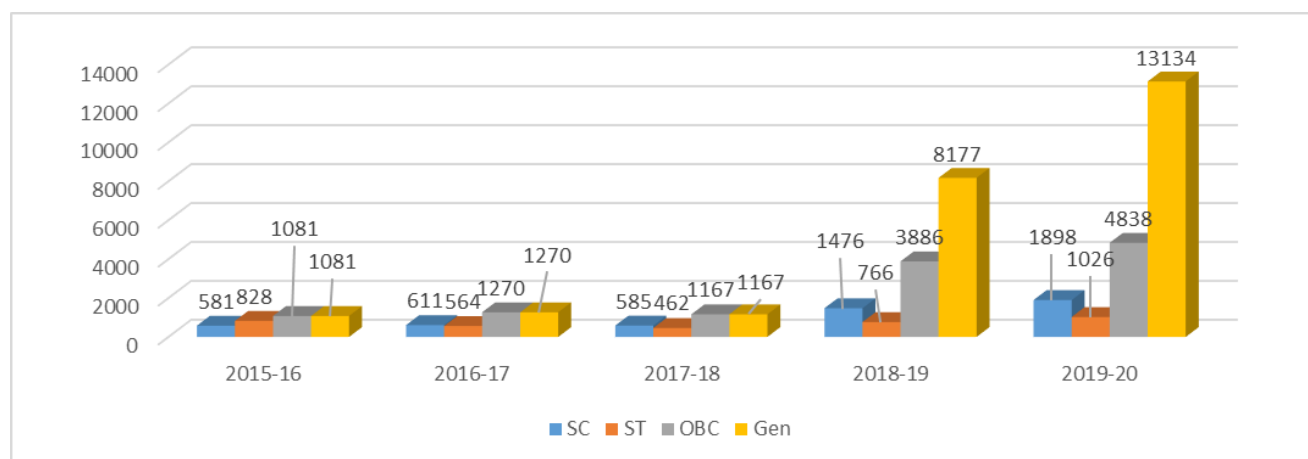


Figure 8: Distribution of Participants under Different Categories during last 5 years

Table 9: Gender-wise Participation in STTPs

Gender	No. of Participants	Percentage-wise Participants
Male	15098	72.25
Female	5798	27.75
Total	20896	-

Gender-wise distribution of participants for last 5 years has been represented in Figure 9.

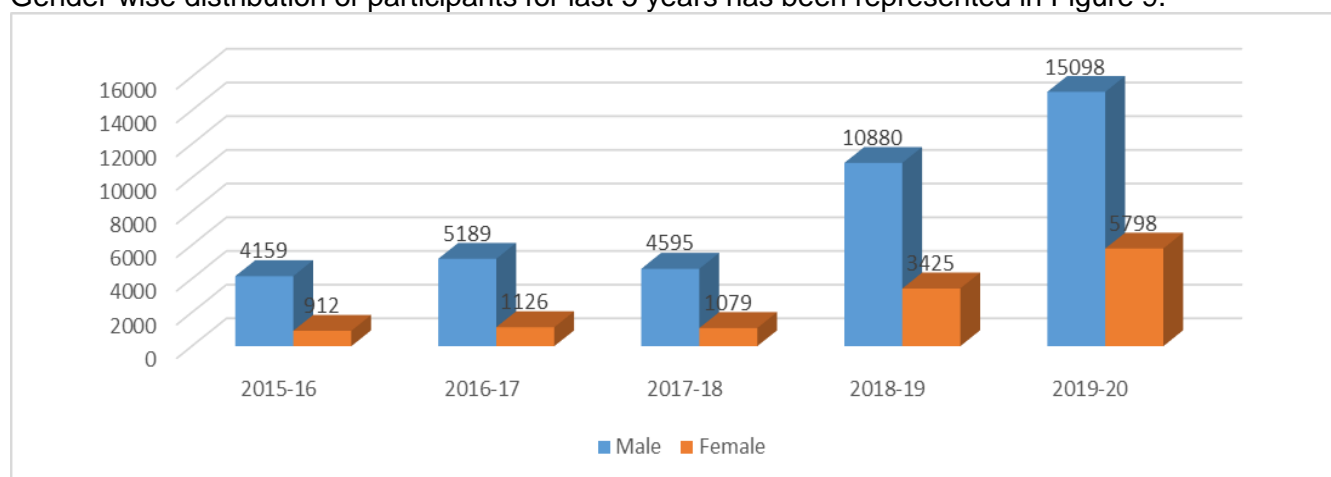


Figure 9: Gender-wise distribution of Participants for last 5 years

VENUE: NITTR, KOLKATA

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Durati on (WK)	No. of Parti cipants
1.	CU03	Laboratory and Workshop manual for Electrical, Electronics and Instrumentation Engineering	Dr. Sagarika Pal	22/04/2019	26/04/2019	1	3
2.	CU04	Numerical Methods : Theories and Applications	Dr. Kinsuk Giri	29/04/2019	03/05/2019	1	1
3.	CU06	Indian Electricity Rule and Code of Practices	Dr. Prasanta Sarkar	06/05/2019	10/05/2019	1	3
4.	CU07	Waste Water Treatment: Pollution Control and Reuse	Dr. Subrata Mondal	06/05/2019	10/05/2019	1	2
5.	CU08	Testing of Drinking Water and Health	Dr. Sailendra Nath Mandal	06/05/2019	17/05/2019	2	42
6.	CU09	Testing of Brick, Cement, Aggregates and Concrete	Dr. Uday Chand Kumar	13/05/2019	17/05/2019	1	15
7.	CU10	Database Design Theory and Practice	Dr. Ranjan Dasgupta	13/05/2019	17/05/2019	1	1
8.	CU11	Solar PV System & Smart Grid	Dr. Soumitra Kumar Mandal	13/05/2019	17/05/2019	1	12
9.	CU12	Programming and Operations on CNC Machines	Mr. Nirmal Kumar Mandal	13/05/2019	17/05/2019	1	4
10.	PS01	How to Write Thesis and Research paper	Dr. Rayapati Subbarao	13/05/2019	24/05/2019	2	4
11.	CU13	Theory and Operation of DC Machines & Transformers	Dr. Subrata Chattopadhyay	20/05/2019	24/05/2019	1	2
12.	CU14	Networking Principles, Management and Administration	Mr. Rajeev Chatterjee	20/05/2019	31/05/2019	2	12
13.	CU15	LABVIEW & MATLAB Applications in Engineering	Dr. Soumitra Kumar Mandal	20/05/2019	31/05/2019	2	22
14.	CU16	Laboratory Practice on Concrete Materials	Mrs. Mithu Dey	27/05/2019	31/05/2019	1	4
15.	CU17	Sensors, Transducers and Signal Conditioning	Dr. Sagarika Pal	27/05/2019	31/05/2019	1	5
16.	CU18	Engineering Metrology	Dr. Dipankar Bose	27/05/2019	31/05/2019	1	1
17.	CU19	Analysis of Nonlinear Control Systems	Dr. Urmila Kar	03/06/2019	08/06/2019	1	5
18.	CU21	Three Dimensional Modelling with AUTOCAD and SOLIDWORKS	Mr. Nirmal Kumar Mandal	03/06/2019	14/06/2019	2	26
19.	CU22	Renewable Energy Sources and Emerging Technologies	Mrs. Sheela Yadav Rai	10/06/2019	14/06/2019	1	16
20.	CU23	Computational Techniques for Mechanical Engineers	Dr. Rayapati Subbarao	10/06/2019	14/06/2019	1	2
21.	CU24	Domestic Water Purifier and Health	Dr. Sailendra Nath Mandal	10/06/2019	21/06/2019	2	4
22.	CU25	IP Networking	Mr. Rajeev Chatterjee	10/06/2019	21/06/2019	2	14
23.	CU26	Control Engineering with MATLAB	Dr. Prasanta Sarkar	10/06/2019	21/06/2019	2	8
24.	CU27	Mechanical Workshop	Dr. Arpan Kumar Mandal	10/06/2019	21/06/2019	2	12
25.	PS02	Leadership & Management for Teachers	Dr. Habiba Hussain	10/06/2019	21/06/2019	2	38
26.	CU20	Formal Languages and Automata	Dr. Samir Roy	17/06/2019	21/06/2019	1	4
27.	CU28	Power System Instrumentation	Dr. Subrata Chattopadhyay	17/06/2019	21/06/2019	1	8
28.	CU29	Fluid Mechanics & Machinery	Dr. Dipankar Bose	17/06/2019	21/06/2019	1	9
29.	MGT02	Laboratory Safety Management	Dr. Subrata Mondal	17/06/2019	28/06/2019	2	6
30.	PS03	Effective Training	Dr. Sukanta Kumar Naskar	17/06/2019	21/06/2019	1	9
31.	CU30	Commentary on IS: 456-2000 - Explanation, Interpretation, Application & Limitations	Dr. Santanu Bhanja	24/06/2019	28/06/2019	1	6
32.	CU31	PLC Programming and Applications	Dr. Sagarika Pal	24/06/2019	05/07/2019	2	2
33.	CU32	Problem Solving with SCILAB	Dr. Kinsuk Giri	24/06/2019	05/07/2019	2	30
34.	CU33	Laboratory Instructions in Electrical and Electronics Engineering	Dr. Soumitra Kumar Mandal	24/06/2019	05/07/2019	2	6
35.	PS14	Introduction to Network Security	Dr. Indrajit Saha	24/06/2019	28/06/2019	2	132
36.	CU127	Theory, Operation and Applications of Transducers & Actuators in Industry	Dr. Subrata Chattopadhyay	24/06/2019	28/06/2019	2	78
37.	CU34	Laboratory Experiments on Engineering Chemistry	Dr. Sailendra Nath Mandal	01/07/2019	05/07/2019	1	3

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Durati on (WK)	No. of Parti cipants
38.	CU35	Power Generation from Energy Resources	Mrs. Sheela Yadav Rai	01/07/2019	05/07/2019	1	12
39.	CU36	Geotechnical Investigation & Testing	Dr. Jagat Jyoti Mandal	01/07/2019	12/07/2019	2	36
40.	PS04	Outcome Based Education for Accreditation	Dr. Habiba Hussain	01/07/2019	05/07/2019	1	6
41.	CU38	Fluid Power	Dr. Dipankar Bose	08/07/2019	12/07/2019	1	1
42.	CU39	Development of Laboratory Instruction and Manual	Dr. Subrata Mondal	08/07/2019	12/07/2019	1	8
43.	CU40	Multimedia Tools and It's Applications	Dr. Indrajit Saha	08/07/2019	19/07/2019	2	18
44.	CU41	Active Learning under Engineering Education	Dr. Urmila Kar	08/07/2019	19/07/2019	2	36
45.	CU42	Limit State Design of Steel Structures	Mrs. Mithu Dey	15/07/2019	19/07/2019	1	6
46.	CU43	Application of MATLAB Control System, Image Processing, Fuzzy Logic Tool box and GUI	Dr. Sagarika Pal	15/07/2019	19/07/2019	1	15
47.	CU44	Computer Numerical Controlled Machines: Constructional Features and Programming	Mr. Nirmal Kumar Mandal	15/07/2019	19/07/2019	1	3
48.	CU45	Basics of Computer, IT and ITes for Faculty and Staffs	Dr. Arpan Kumar Mondal	15/07/2019	26/07/2019	2	38
49.	PS05	Induction Training	Dr. Uday Chand Kumar	15/07/2019	19/07/2019	1	48
50.	CU46	Industrial Process Control	Dr. Subrata Chattopadhyay	22/07/2019	26/07/2019	1	1
51.	CU47	PLC Applications in Automations	Dr. Soumitra Kumar Mandal	22/07/2019	26/07/2019	1	3
52.	CU48	Applied Thermodynamics	Dr. Rayapati Subbarao	22/07/2019	26/07/2019	1	1
53.	CU49	Software Engineering Fundamentals & Application Development	Dr. Ranjan Dasgupta	22/07/2019	02/08/2019	2	22
54.	CU50	Fundamental and Applications of Nanomaterials	Dr. Subrata Mondal	22/07/2019	02/08/2019	2	28
55.	CU51	Exposure on MATLAB	Dr. Prasanta Sarkar	29/07/2019	02/08/2019	1	2
56.	MGT03	Human Resource Management	Dr. Sukanta Kumar Naskar	29/07/2019	02/08/2019	1	2
57.	PS06	Microteaching for Teaching Improvement	Dr. Habiba Hussain	29/07/2019	02/08/2019	1	16
58.	CU54	Application of Soft Tools in Civil Engineering	Mrs. Mithu Dey	05/08/2019	09/08/2019	1	1
59.	CU55	Fundamentals of Computer and Internet (Especially Designed for Office Staff)	Dr. Rajeev Chatterjee	05/08/2019	09/08/2019	1	6
60.	CU56	Mechatronics and Automation	Dr. Subrata Chattopadhyay	05/08/2019	09/08/2019	1	3
61.	CU57	Statistical Methods : Theories and Applications	Dr. Kinsuk Giri	19/08/2019	23/08/2019	1	2
62.	CU58	Estimating & Costing of Non-Conventional Energies	Mrs. Sheela Yadav Rai	19/08/2019	23/08/2019	1	2
63.	CU59	Industrial Automation using PLC, DCS & SCADA	Dr. Sagarika Pal	19/08/2019	23/08/2019	1	1
64.	CU60	Testing Drinking Water for Domestic Use	Dr. Sailendra Nath Mandal	19/08/2019	30/08/2019	2	24
65.	CU61	Structural Audit	Dr. Uday Chand Kumar	26/08/2019	30/08/2019	1	26
66.	CU62	Data Analysis using MATLAB	Dr. Indrajit Saha	26/08/2019	30/08/2019	1	4
67.	CU64	Theory and Practices of CNC Machining Operations	Dr. Arpan Kumar Mondal	26/08/2019	06/09/2019	2	20
68.	CU52	Analysis and Design of Shallow Foundations	Dr. Jagat Jyoti Mandal	26/08/2019	30/08/2019	2	120
69.	CU65	Drawing, Analysis and Design of Structures by Limit State Method using Software	Mrs. Mithu Dey	02/09/2019	06/09/2019	1	3
70.	CU66	Recent Trends in Optimization : Theory and Applications	Dr. Kinsuk Giri	02/09/2019	06/09/2019	1	3
71.	CU67	Application of MATLAB in Engineering	Dr. Prasanta Sarkar	02/09/2019	06/09/2019	1	2
72.	CU68	Mathematics and Logic	Dr. Samir Roy	09/09/2019	14/09/2019	1	1
73.	CU70	Environmental Awareness	Dr. Sailendra Nath Mandal	16/09/2019	20/09/2019	1	5
74.	CU72	Electrical Measurement and	Dr. Subrata	16/09/2019	20/09/2019	1	5

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
		Instrumentation	Chattopadhyay				
75.	CU73	Image Processing using MATLAB	Dr. Indrajit Saha	16/09/2019	27/09/2019	2	22
76.	MGT05	Office Management	Dr. Sukanta Kumar Naskar	16/09/2019	20/09/2019	1	7
77.	CU52	Principles of RCC Design up to & beyond Limit States, Applications and Limitations of IS:456-2000	Dr. Santanu Bhanja	16/09/2019	20/09/2019	2	88
78.	CU74	Electrical Circuit Analysis	Dr. Urmila Kar	23/09/2019	27/09/2019	1	3
79.	CU75	LABVIEW & VHDL Applications	Dr. Soumitra Kumar Mandal	23/09/2019	27/09/2019	1	2
80.	CU76	Bio Medical Instrumentation	Dr. Subrata Chattopadhyay	14/10/2019	18/10/2019	1	2
81.	CU77	Power Electronics	Dr. Soumitra Kumar Mandal	14/10/2019	18/10/2019	1	10
82.	CU78	Topics in Data Structures and Algorithms	Dr. Samir Roy	14/10/2019	25/10/2019	2	16
83.	CU79	Earthquake Resistant Design of RC Buildings with an Introduction to Shake Table	Dr. Santanu Bhanja	21/10/2019	25/10/2019	1	6
84.	PS08	Administrative Effectiveness for Academic Administrators	Mr. Subir Basak	21/10/2019	25/10/2019	1	8
85.	CU81	Power Plant Engineering	Dr. Rayapati Subbarao	28/10/2019	01/11/2019	1	4
86.	CU82	Construction and Disaster Management	Dr. Uday Chand Kumar	04/11/2019	08/11/2019	1	9
87.	CU83	Health Assessment and Rehabilitation of RCC Structures	Dr. Santanu Bhanja	04/11/2019	08/11/2019	1	2
88.	CU85	Mechanical Measurements and Control	Dr. Samiran Mandal	11/11/2019	16/11/2019	1	1
89.	CU86	Design of Payroll Systems using ORACLE	Dr. Ranjan Dasgupta	11/11/2019	22/11/2019	2	4
90.	CU87	Solid and Liquid Waste Management	Dr. Sailendra Nath Mandal	18/11/2019	29/11/2019	2	28
91.	CU88	Introduction to PYTHON Programming	Dr. Kinsuk Giri	18/11/2019	22/11/2019	1	14
92.	CU89	Solar PV System	Dr. Soumitra Kumar Mandal	18/11/2019	22/11/2019	1	4
93.	CU90	CAD/CAM	Mr. Nirmal Kumar Mandal	18/11/2019	22/11/2019	1	6
94.	PS09	Outcome Based Accreditation	Dr. Urmila Kar	18/11/2019	22/11/2019	1	31
95.	PS14	Introduction to Network Security	Dr. Indrajit Saha	18/11/2019	29/11/2019	2	142
96.	CU53	Indian Electricity Rule and Code of Practices	Dr. Prasanta Sarkar	18/11/2019	29/11/2019	2	122
97.	CU91	Object Oriented Software Design and Modeling	Dr. Samir Roy	25/11/2019	29/11/2019	1	1
98.	CU93	Network Infrastructure & Cloud Security	Dr. Ranjan Dasgupta & Mr. Rajeev Chatterjee	02/12/2019	06/12/2019	1	7
99.	MGT06	Research Methodology	Dr. Urmila Kar	02/12/2019	13/12/2019	2	16
100.	PS10	Designing Outcome Based Learning Framework	Dr. Chandan Chakraborty	02/12/2019	06/12/2019	1	5
101.	CU94	Oil Hydraulics & Pneumatics	Dr. Dipankar Bose	09/12/2019	13/12/2019	1	3
102.	CU95	Automobile Engineering	Dr. Samiran Mandal	09/12/2019	13/12/2019	1	1
103.	MGT07	Office Management using IT and ITes	Dr. Arpan Kumar Mondal	09/12/2019	20/12/2019	2	22
104.	PS11	Research Methodology in Engineering and Technical Writing using LaTeX	Dr. Kinsuk Giri & Dr. Indrajit Saha	09/12/2019	20/12/2019	2	28
105.	CU52	Analysis and Design of Shallow Foundations	Dr. Jagat Jyoti Mandal	09/12/2019	20/12/2019	2	96
106.	CU52	Principles of RCC Design up to & beyond Limit States, Applications and Limitations of IS:456-2000	Dr. Santanu Bhanja	09/12/2019	20/12/2019	2	98
107.	CU96	Introduction to Structural Analysis and Design Software for Buildings - ETABS	Dr. Santanu Bhanja	16/12/2019	20/12/2019	1	5
108.	CU97	Power Generation from Energy Resources	Mrs. Sheela Yadav Rai	16/12/2019	20/12/2019	1	25
109.	CU98	Polymer Composites and Nanocomposites	Dr. Subrata Mondal	16/12/2019	20/12/2019	1	5
110.	PS12	Writing Research Proposals	Dr. Chandan Chakraborty	16/12/2019	20/12/2019	1	11
111.	CU53	Indian Electricity Rule and Code of Practices	Dr. Prasanta Sarkar	16/12/2019	20/12/2019	2	128

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Durati on (WK)	No. of Parti cipants
112.	CU99	Engineering Optimization with MATLAB	Mr. Nirmal Kumar Mandal	23/12/2019	03/01/2020	2	50
113.	CU100	Introduction to IS 800-2007	Mrs. Mithu Dey	23/12/2019	28/12/2019	1	3
114.	CU101	Mathematical Foundation of Computer Science	Dr. Samir Roy & Dr. Kinsuk Giri	23/12/2019	03/01/2020	2	12
115.	CU102	Application of Total Station in Present day Surveying	Dr. Santanu Bhanja	30/12/2019	03/01/2020	1	17
116.	CU127	Theory, Operation and Applications of Transducers & Actuators in Industry	Dr. Subrata Chattopadhyay	30/12/2019	03/01/2020	2	122
117.	CU103	Testing of Pavement Material and Design of Bituminous Mixes	Dr. Jagat Jyoti Mandal	06/01/2020	10/01/2020	1	15
118.	CU104	AutoCAD for Engineers	Mrs. Mithu Dey	06/01/2020	10/01/2020	1	9
119.	CU105	Ecology and Environmental Studies	Dr. Uday Chand Kumar	06/01/2020	10/01/2020	1	39
120.	CU106	Design and Development of Content for E-learning	Mr. Rajeev Chatterjee	06/01/2020	10/01/2020	1	6
121.	CU107	LABVIEW Applications in Engineering	Dr. Sagarika Pal	06/01/2020	10/01/2020	1	11
122.	PS13	Induction Training	Dr. Sukanta Kumar Naskar	06/01/2020	10/01/2020	1	33
123.	CU109	Discrete Mathematics and Its Applications	Dr. Kinsuk Giri	13/01/2020	17/01/2020	1	8
124.	CU110	Power System Protection	Mrs. Sheela Yadav Rai	13/01/2020	17/01/2020	1	6
125.	CU113	Introduction to Soft Computing	Dr. Samir Roy & Dr. Indrajit Saha	20/01/2020	31/01/2020	2	24
126.	CU114	Transmission Line Parameters	Mrs. Sheela Yadav Rai	03/02/2020	07/02/2020	1	2
127.	CU115	8086 Microprocessor	Dr. Soumitra Kumar Mandal	03/02/2020	07/02/2020	1	2
128.	CU117	Introduction to DBMS	Dr. Ranjan Dasgupta	03/02/2020	14/02/2020	2	14
129.	PS14	Introduction to Network Security	Dr. Indrajit Saha	03/02/2020	14/02/2020	2	120
130.	CU53	Indian Electricity Rule and Code of Practices	Dr. Prasanta Sarkar	03/02/2020	14/02/2020	2	132
131.	CU127	Theory, Operation and Applications of Transducers & Actuators in Industry	Dr. Subrata Chattopadhyay	03/02/2020	14/02/2020	2	96
132.	CU121	Environmental Pollution Testing	Dr. Sailendra Nath Mandal	17/02/2020	28/02/2020	2	44
133.	CU137	Statistics & Data Analytics using R	Dr. Chandan Chakraborty	17/02/2020	21/02/2020	1	5
134.	CU122	Mobile & Wireless Networking	Mr. Rajeev Chatterjee	24/02/2020	28/02/2020	1	7
135.	CU124	Design and Development of MOOC based e-content	Dr. Ranjan Dasgupta	02/03/2020	13/03/2020	2	28
136.	PS14	Introduction to Network Security	Dr. Indrajit Saha	02/03/2020	13/03/2020	2	134
137.	CU53	Indian Electricity Rule and Code of Practices	Dr. Prasanta Sarkar	02/03/2020	13/03/2020	2	142
138.	CU126	Computer Aided Design with Ansys	Mr. Nirmal Kumar Mandal	16/03/2020	20/03/2020	1	3

VENUE: BHUBANESWAR EXTENSION CENTRE

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
1.	BBSR01	Development of Laboratory Instructions	Mr. Nirmal Kumar Mandal	08/04/2019	12/04/2019	1	16
2.	BBSR03	Bio Medical Instrumentation	Dr. Subrata Chattopadhyay	29/04/2019	03/05/2019	1	9
3.	BBSR05	Induction Training	Dr. Subrata Chattopadhyay	03/06/2019	08/06/2019	1	20
4.	BBSR06	Refresher Course on Computer Aided Analysis, Design and Detailing using STAAD. Pro Software	Dr. Santanu Bhanja	10/06/2019	14/06/2019	1	25
5.	BBSR07	Thesis and Research Paper Writing	Dr. Rayapati Subbarao	24/06/2019	28/06/2019	1	21
6.	BBSR08	Instructional Media and CAI	Dr. Subrata Chattopadhyay	08/07/2019	12/07/2019	1	7
7.	BBSR09	Renewable Energy Sources and Emerging Technologies	Mrs. Sheela Yadav Rai	22/07/2019	26/07/2019	1	27
8.	BBSR11	Control Engineering with MATLAB	Dr. Prasanta Sarkar	19/08/2019	23/08/2019	1	17
9.	BBSR12	Laboratory Safety Management	Dr. Subrata Mondal	02/09/2019	06/09/2019	1	6
10.	BBSR13	Ecology and Environmental Studies	Dr. Uday Chand Kumar	16/09/2019	20/09/2019	1	31
11.	BBSR16	Numerical Methods : Theories and Applications	Dr. Kinsuk Giri	04/11/2019	08/11/2019	1	6
12.	BBSR17	Student Mentorship	Dr. Chandan Chakraborty	18/11/2019	22/11/2019	1	11
13.	BBSR19	Introduction to Environmental Pollution	Dr. Sailendra Nath Mandal	16/12/2019	20/12/2019	1	9
14.	BBSR15	MATLAB Applications in Engineering	Dr. Sagarika Pal	23/12/2019	27/12/2019	1	19
15.	BBSR20	NBA Accreditation and SAR preparation	Dr. Rayapati Subbarao	30/12/2019	03/01/2020	1	64
16.	BBSR22	Introduction of Accreditation Mechanism - NBA Approach	Dr. Ranjan Dasgupta & Dr. Arpan Kumar Mondal	20/01/2020	24/01/2020	1	64
17.	BBSR23	Advanced Process Control & Instrumentation System	Dr. Subrata Chattopadhyay	27/01/2020	01/02/2020	1	3
18.	BBSR24	Commentary on IS: 456-2000 Explanation, Interpretation, Application & Limitations	Dr. Santanu Bhanja	03/02/2020	07/02/2020	1	30

VENUE: GUWAHATI EXTENSION CENTRE

Sl. No.	Programme Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
1.	G UW05	Theory of Computation	Dr. Samir Roy	03/06/2019	08/06/2019	1	8
2.	G UW04	MATLAB Applications in Engineering	Dr. Sagarika Pal	10/06/2019	14/06/2019	1	14
3.	G UW08	Strategic Management	Dr. Sukanta Kumar Naskar	08/07/2019	12/07/2019	1	16
4.	G UW10	Environmental Pollution - An Overview	Dr. Sailendra Nath Mandal	29/07/2019	02/08/2019	1	12
5.	G UW13	Control Engineering with MATLAB	Dr. Prasanta Sarkar	16/09/2019	20/09/2019	1	10
6.	G UW14	Evaluating Students' Performance & Designing Question Papers	Dr. Chandan Chakraborty	14/10/2019	18/10/2019	1	33
7.	G UW16	Application of Software in Engineering Drawing	Mrs. Mithu Dey	04/11/2019	08/11/2019	1	12
8.	G UW21	Introduction of Accreditation Mechanism - NBA Approach	Dr. Ranjan Dasgupta & Dr. Arpan Kumar Mondal	13/01/2020	17/01/2020	1	8
9.	G UW23	Skill Assessment in Laboratory and Workshop	Dr. Dipankar Bose	03/02/2020	07/02/2020	1	23
10.	G UW26	Bio Medical Instrumentation	Dr. Subrata Chattopadhyay	02/03/2020	06/03/2020	1	12

IN-HOUSE TRAINING PROGRAMME

Sl. No.	Programme Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
1.	IHP01	Designing Assessment Tools under Outcome Based Education	Dr. Urmila Kar	29/04/2019	03/05/2019	1	57
2.	IHP02	NBA Documentation Process	Dr. Urmila Kar	08/05/2019	10/05/2019	1	67
3.	IHP03	NBA Accreditation	Dr. Rayapati Subbarao	27/05/2019	29/05/2019	1	31
4.	IHP04	Curriculum Development and Implementation for Outcome Based Education	Dr. Urmila Kar	27/05/2019	31/05/2019	1	50
5.	IHP05	Refresher Course on Engineering Mechanics and Strength of Materials	Dr. Jagat Jyoti Mandal	10/06/2019	20/06/2019	2	140
6.	IHP07	Lab Manual Preparation	Dr. Urmila Kar	07/08/2020	12/08/2020	1	39
7.	IHP08	NBA Accreditation	Dr. Rayapati Subbarao	15/07/2019	19/07/2019	1	61
8.	IHP06	Essentials of HRM for Polytechnic Teachers	Dr. Sukanta Kumar Naskar	15/07/2019	26/07/2019	2	46
9.	IHP09	Improving Teaching Skill	Dr. Habiba Hussain	05/08/2019	09/08/2019	1	30
10.	IHP10	Evaluating Students' Performance	Dr. Chandan Chakraborty	23/09/2019	27/09/2019	1	25
11.	IHP11	Outcome Based Education	Dr. Urmila Kar	22/10/2019	26/10/2019	1	43
12.	IHP12	Active Learning under Engineering Education	Dr. Urmila Kar	04/11/2019	08/11/2019	1	32
13.	IHP13	Induction Training Phase - I	Dr. Samiran Mandal	18/11/2019	22/11/2019	1	27
14.	IHP14	How to write Thesis & Research Papers	Dr. Samiran Mandal	16/12/2019	20/12/2019	1	70
15.	IHP15	Development of Laboratory Instruction & Manual	Dr. Dipankar Bose & Dr. Sukanta Kumar Naskar	17/12/2019	21/12/2019	1	33
16.	IHP16	Computational Techniques for Mechanical Engineering	Dr. Rayapati Subbarao	06/02/2020	08/02/2020	1	11

SPECIAL PROGRAMME

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
1.	SPL09	Office Automation and Management	Dr. Kinsuk Giri & Dr. Arpan Kumar Mondal	17/06/2019	21/06/2019	1	27
2.	SPL10	Leadership and Team Buildings	Dr. Habiba Hussain	08/07/2019	12/07/2019	1	26
3.	SPL11	Refrigeration and Air Conditioning (Indian Railway, Jamalpur, Bihar)	Dr. Dipankar Bose & Dr. Ryapati Subbarao	01/07/2019	12/07/2019	2	12
4.	SPL12	Accreditation (NBA) of Engineering and Polytechnic Institutes: Implantation & Evaluation Issues	Dr. Ranjan Dasgupta & Dr. Arpan Kumar Mondal	04/11/2019	08/11/2019	1	32
5.	SPL13	Theory and practices of CNC Machine Operations	Dr. Samiran Mandal	04/11/2019	08/11/2019	1	21
6.	IND01	Induction Training – Phase I	Dr. Subrata Chattopadhyay & Mr. Rajeev Chatterjee	16/12/2019	28/12/2019	2	22
7.	IND02	Induction Training – Phase I	Dr. Urmila Kar & Dr. Jagat Jyoti Mandal	23/12/2019	03/01/2020	2	38
8.	IND03	Induction Training – Phase I	Dr. Dipankar Bose & Dr. Prasanta Sarkar	13/01/2020	24/01/2020	2	42
9.	IND04	Induction Training – Phase I	Dr. Samiran Mandal & Dr. Rayapati Subba Rao	20/01/2020	31/01/2020	2	46
10.	IND05	Induction Training – Phase I	Dr. Uday Chand Kumar & Mrs. Sheela Yadav Rai	20/01/2020	01/02/2020	2	44
11.	IND06	Induction Training – Phase I	Dr. Sukanta Kumar Naskar & Mrs. Mithu Dey	27/01/2020	07/02/2020	2	20
12.	IND07	Induction Training – Phase I	Mr. Nirmal Kumar Mandal & Dr. Sailendra Nath Mandal	27/01/2020	07/02/2020	2	24
13.	IND08	Induction Training – Phase I	Dr. Indrajit Saha & Dr. Samir Ray	03/02/2020	14/02/2020	2	38

Sl. No.	Prog. Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Durati on (WK)	No. of Partici pants
14.	IND09	Induction Training – Phase I	Dr. Soumitra Kumar Mandal & Dr. Subrata Mondal	10/02/2020	21/02/2020	2	14
15.	IND10	Induction Training – Phase I	Dr. Arpan Kumar Mondal & Dr. Ranjan Dasgupta	17/02/2020	28/02/2020	2	22
16.	SPL1	Training of Trainers in Retail Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Sukanta Kumar Naskar	01/04/2019	05/04/2019	1	17
17.	SPL2	Training of Trainers in Health Care Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Uday Chand Kumar	01/04/2019	05/04/2019	1	21
18.	SPL03	Training of Trainers in Electronics Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Sagarika Pal & Dr. Habiba Hussain	08/04/2019	12/04/2019	1	45
19.	SPL04	Training of Trainers in Tourism & Hospitality Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Uday Chand Kumar	22/04/2019	26/04/2019	1	45
20.	SPL05	Training of Trainers in Electronics Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Sagarika Pal	29/04/2019	03/05/2019	1	41
21.	SPL06	Training of Trainers in IT & ITes Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Indrajit Saha	06/05/2019	10/05/2019	1	80
22.	SPL07	Training of Trainers in Plumbing Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Dr. Uday Chand Kumar	13/05/2019	17/05/2019	1	30
23.	SPL08	Training of Trainers in Iron, Steel and Automotive Sector under the Scheme of “Vocationalisation of School Education” in West Bengal	Dr. Habiba Hussain & Shri Nirmal Kumar Mandal	13/05/2019	17/05/2019	1	38
24.	TOT01	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	09/09/2019	14/09/2019	1	37
25.	TOT02	Refrigeration and Automobile Technology	Mr. Nirmal Kumar Mandal	16/09/2019	20/09/2019	1	35
26.	TOT03	Civil construction and Surveying	Mrs. Mithu Dey	23/09/2019	27/09/2019	1	34
27.	TOT04	Installation and Maintenance for Electrical Equipment	Dr. Sagarika Pal & Dr. Subrata Chattopadhyay	21/10/2019	25/10/2019	1	28
28.	TOT05	Business & Commerce	Dr. Sukanta Kumar Naskar	04/11/2019	08/11/2019	1	34
29.	TOT06	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	11/11/2019	15/11/2019	1	37
30.	TOT07	Business & Commerce	Dr. Sukanta Kumar Naskar	18-Nov	22-Nov	1	19
31.	TOT08	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	25/11/2019	29/11/2019	1	31
32.	TOT09	Installation and Maintenance for Electrical Equipment	Dr. Sagarika Pal & Dr. Subrata Chattopadhyay	02/12/2019	06/12/2019	1	31
33.	TOT10	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	09/12/2019	13/12/2019	1	43
34.	TOT01	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	10/02/2020	14/02/2020	1	51
35.	NSQF01	Computer Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	17/02/2020	21/02/2020	1	38
36.	TOT02	Business & Commerce	Dr. Sukanta Kumar Naskar	24/02/2020	28/02/2020	1	53
37.	TOT03	Comuter Application & Networking	Dr. Indrajit Saha & Dr. Kinsuk Giri	02/03/2020	06/03/2020	1	52
38.	TOT04	Business & Commerce	Dr. Sukanta Kumar Naskar	16/03/2020	20/03/2020	1	34

E-LEARNING TRAINING PROGRAMME (ICT MODE)

Sl. No.	Programme Code	Programme Title	Programme Co-ordinator	Start Date	End Date	Duration (WK)	No. of Participants
1.	ICT01	NBA Accreditation	Dr. Rayapati Subbarao	22/04/2019	26/04/2019	1	2986
2.	ICT02	Introduction to Artificial Intelligence	Dr. Samir Roy	06/05/2019	10/05/2019	1	750
3.	ICT03	Problem Based Learning	Dr. Sagarika Pal, Dr. Indrajit Saha, Dr. Kinsuk Giri, Dr. Arpan Kumar Mondal	20/05/2019	31/05/2019	2	2300
4.	ICT04	Assessment and Evaluation under Outcome Based Education	Dr. Urmila Kar	10/06/2019	14/06/2019	1	1156
5.	ICT05	NBA Accreditation	Dr. Rayapati Subbarao	17/06/2019	21/06/2019	1	788
6.	ICT06	Automated Manufacturing Systems	Mr. Nirmal Kumar Mandal	01/07/2019	05/07/2019	1	617
7.	ICT07	Effective Teaching	Dr. Habiba Hussain	15/07/2019	19/07/2019	1	1409
8.	ICT08	Rural Development through Technical Institution	Dr. Uday Chand Kumar	29/07/2019	02/08/2019	1	1123
9.	ICT10	Laboratory Safety Management	Dr. Subrata Mondal	23/09/2019	27/09/2019	1	830
10.	ICT12	Water Pollution and Health	Dr. Sailendra Nath Mandal	21/10/2019	25/10/2019	1	565
11.	ICT13	Management Issues of Laboratory and Workshop Class	Dr. Dipankar Bose	04/11/2019	08/11/2019	1	771
12.	ICT14	Control and Automation	Dr. Sagarika Pal	18/11/2019	22/11/2019	1	536
13.	ICT15	Problem Based Learning	Dr. Sagarika Pal, Dr. Indrajit Saha, Dr. Kinsuk Giri, Dr. Arpan Kumar Mondal	02/12/2019	06/12/2019	1	1322

OTHER SIGNIFICANT ACHIEVEMENTS**1) PhD supervision:**

Title of the Thesis: **Development of Novel hybrid Metaheuristic Algorithms for Identification and Control in the Delta domain**

Supervisor: **Dr. Prasanta Sarkar** and Dr. Gagandeep Kaur, Associate Professor, Thaper Institute

University: Thaper Institute (Deemed to be University)

Department: Electrical and Instrumentation Engineering

Candidate's Name: Souvik Ganguli

2) Scientific Project:

Project Title: **Genetic biomarkers for breast cancer subtypes: the role of membrane receptors in modeling of heterogeneous populations of tumor cells**

PI: **Dr. Indrajit Saha,**

Funding Organisations: a) Department of Science and Technology (DST), Government of India and Ministry of Science and Higher Education.

b) (MNISW), Government of Poland

M. TECH. PROGRAMMES**STUDENT ENROLMENT STATUS**

Sl. No.	Name of Programme	Students admitted in Nos		
		2019-20 Batch 1 st Year	2018-19 Batch 2 nd Year	Total
1.	Manufacturing Technology	18	11	29
2.	Mechatronics Engineering	09	12	21
3.	Structural Engineering	09	08	17
4.	Multi Media and Software System	01	05	06
Grand Total :		37	36	73

STUDENT DISTRIBUTION UNDER DIFFERENT CATEGORIES

Sl. No.	Name of Programme	No. of Students on Roll							
		2019-20 Batch- 1 st Year (Total - nos.)				2018-19 Batch – 2 nd year (Total – nos.)			
		SC	ST	OBC	Minority	SC	ST	OBC	Minority
1.	Manufacturing Technology	3	-	3	4	1	-	2	1
2.	Mechatronics Engineering	-	1	1	2	-	-	2	1
3.	Multi Media and Software System	-	-	1	-	-	1	-	-
4.	Structural Engineering	1	1	2	-	-	-	2	1
Total :		4	2	7	6	1	1	6	3

STUDENTS PERFORMANCE

Sl. No.	Name of the Department	No. of M.Tech Students Appeared (2017-19)	No. of Students Awarded M.Tech (2017-19)
1.	Manufacturing Technology	19	19
2.	Mechatronics Engineering	19	13
3.	Multi Media and Software System	NIL	01 (From 2015-17 Session)
4.	Structural Engineering	08	08
Total :		46	41

LIST OF M. TECH THESIS (2019)**MANUFACTURING TECHNOLOGY**

Sl. No.	Name of the Student	Thesis Title	Supervisor
1.	Utpal Kumar Roy	Comparison of Properties of Aluminium Matrix Nanocomposite Reinforced with Various Carbon Based Nanomaterials	Dr. Subrata Mondal
2.	Tuhin Kar	Multi-Response Optimization and Surface Texture Characterization for CNC Milling of Inconel 718 Alloy	Mr. Nirmal Kumar Mandal
3.	Tanmoy Kundu	Multi Response Optimization and Surface Morphology Characterization for Titanium Alloy in WEDM	Dr. Dipankar Bose & Mr. Nirmal Kumar Mandal
4.	Shuvajit Ghosh	Optimization of Machining Parameters In CNC Turning Of AISI 4140 Alloy Steel Using A Hybrid Model	Mr. Nirmal Kumar Mandal
5.	Ranajit Mahanti	Experimental Investigation of Machining Performance in Turning of EN 31 Alloy Steel under Different Environment Friendly Machining Conditions	Dr. Nirmal Kumar Mandal & Dr Rayapati Subba Rao
6.	Pritam Sadhukhan	Study of Mechanical and Tribological Properties of Hybrid Copper Metal Matrix Composite Reinforced with Graphite and SIC	Dr Rayapati Subba Rao
7.	Prabir Namhata	Reliability Centered Maintenance (RCM) Strategy using Risk Priority Number(RPN) for an Automobile Industry	Dr. Dipankar Bose & Dr. Sukanta Kumar Naskar
8.	Partha Sarkar	Development of an EDM Machine with RC-type Generator Circuit, N-channel MOSFET	Dr. Dipankar Bose & Mr. Nirmal Kumar Mandal
9.	Mohammad Hamza	Fabrication and Characterizations of Aluminium Metal Matrix Composite Reinforced with Silicon Carbide, Boron Carbide and Aluminum Oxide	Dr. Subrata Mondal
10.	Milan Kumar Maity	Experimental Investigation of the Effects of machining Parameters on Surface Roughness, Flank Wear and Chip Morphology in Turning of AISI 52100	Dr. Samiran Mandal
11.	Gourav Lal	Applications of MCDM Approaches: A Study of Evaluating Performance and Selection of Machine in an Automobile Industry	Dr. Sukanta Kumar Naskar
12.	Deokant Prasad	Nano Finishing of Copper Tube using R-MRAFF Process	Dr. Dipankar Bose & Dr Arpan Kumar Mandal
13.	Debtanu Patra	Characterization of Electrical Resistance Friction Stir Welded Similar and Dissimilar Mild Steel and Stainless Steel Thin Plates	Dr. Arpan Kumar Mandal
14.	Atul Singh Rajput	Computational Analysis and Experimental Investigation of Rotational Magnetorheological Abrasive Flow Finishing	Dr. Dipankar Bose & Dr Arpan Kumar Mandal

Sl. No.	Name of the Student	Thesis Title	Supervisor
15.	Arindam Dhar	Thermo-Mechanical Analysis of Electrically Assisted Friction Stir Welded Butt Joints of Similar and Dissimilar material	Dr. Arpan Kumar Mondal
16.	Amar Mahato	Comparison of Properties of Micro and Nano Size Silicon Carbide Reinforced Copper Metal Matrix Composites	Dr. Subrata Mondal
17.	Ajfarul Islam	A comparative Study on Thermo mechanical and Microstructure Characteristics of TIG and Pulse TIG Welded AISI-304 Plates	Dr. Dipankar Bose
18.	Abhijit Paul	Experimental Investigation of the effects of Machining parameters on Cutting Force, Tool Wear and Surface Roughness in Milling of Titanium Alloy Grade 2 and Verification by FEA	Dr. Samiran Mandal
19.	Drupad Roy	Thermal and Mechanical Analysis of TIG welded joints	Dr. Rayapati Subba Rao

MECHATRONICS ENGINEERING

Sl. No.	Name of Student	Title of the Dissertation	Name of the Supervisor
1.	Sukanya Bose	Remote Air Quality Sensing and Temperature Monitoring System using GSM for Smart City Applications	Dr. Sagarika Pal
2.	Sujay Kumar Dolai	Design and Implementation of Fractional Order Controller in Delta Domain	Dr. Prasanta Sarkar
3.	Subham Singha	Speed Control of DC Motor using PID Controller in LabVIEW	Dr. Sagarika Pal
4.	Subham Kumar Das	An Measurement & Analysis of Force Profile during Grasping an Object by Different Persons using Force Sensing Register (FSR)	Dr. Sagarika Pal
5.	Snehamoy Patra	A High Gain High Efficiency Flyback cuk Integrated DC-DC Converter	Dr. Soumitra Kumar Mandal
6.	Samim Baidya	Dual Axis Solar Tracking using Arduino	Dr. Soumitra Kumar Mandal
7.	Priya Sarkar	Vehicle Number Plate Recognition System using Template Matching Technique	Dr. Sagarika Pal
8.	Prem Kumar	Design, Development and Control of a Pick and Place Robotic Arm using Arduino	Dr. Sagarika Pal
9.	Md Asif Ahmad	Smart Photovoltaic Street Lighting System using LED	Dr. Soumitra Kumar Mandal
10.	Indira Ghosh Dastidar	Design and Implementation of Non-Contact Type Sensor based Level Control in Delta Domain	Dr. Prasanta Sarkar

Sl. No.	Name of Student	Title of the Dissertation	Name of the Supervisor
11.	Diya Mukherjee	Design, Development and Testing of a Three Capacitive Level Sensor for Non-Conducting Liquid with LabVIEW Interface	Dr. Sagarika Pal
12.	Arko Biswas	Design and Development of a Capacitive Soil Moisture Sensor	Dr. Sagarika Pal
13.	Arka Biswas	Digital Controller Design and Implementation using Delta Operator	Dr. Prasanta Sarkar

STRUCTURAL ENGINEERING

Sl. No.	Name Of Students	Title of Thesis	Name of Supervisor
1.	Tushar Kanti Roy	Cost Effective Foundation System for Low Rise Residential Building	Dr. Jagat Jyoti Mandal
2.	Soumik Mondal	Settlement Analysis of Circular Piled Raft Foundation	Dr. Jagat Jyoti Mandal
3.	Md Nehal Anwar Daudi	Evaluation of Seismic Parameters of SDOF and MDOF Models Using Shake Table	Dr. Santanu Bhanja and Dr. Uday Chand Kumar
4.	Md Arif Billah	Principles of Reinforced Concrete Design up to and beyond Limit State- Prescriptive and Performance Based Design with Software Application	Dr. Santanu Bhanja
5.	Indranil Bardharn	Parametric Study of Beams on elastic Foundation	Dr. Jagat Jyoti Mandal
6.	Farah Sarmeen	Seismic behavior of RC frame building on slope with infill effect	Mrs Mithu Dey and Dr. Uday Chand Kumar
7.	Arpan Maity	Evaluation of Engineering Parameters of Unreinforced Masonry and its effect on Buildings with Software Application	Dr. Santanu Bhanja
8.	Anubhab Mukherjee	Principles of Limit State Method of Design in flexure as per Different Indian Standards and performance of Sections up to Failure	Dr. Santanu Bhanja

MULTI MEDIA AND SOFTWARE SYSTEM

Sl. No.	Name Of Students	Title of Thesis	Name of Supervisor
1.	Nilasish Kumar Das	Handwritten Bengali Conjugal Character Recognition Using Graph Distance Theory and Artificial Neural Network.	Mr. Rajeev Chatterjee

**LIST OF EDUCATIONAL VIDEO FILM PRODUCED BY IFL, NITTTR, KOLKATA
FOR THE PERIOD 01.04.2019 TO 31.03.2020**

Sl No.	Name of Video Film	Contributor/Content Expert
1.	Thermodynamic Series Lecture-XIV	Dr. Rayapati Subharao
2.	NBA Accreditation for Polytechnics Lec - I	Dr. Rayapati Subharao
3.	NBA Accreditation for Polytechnics Lec - II	Dr. Rayapati Subharao
4.	NBA Accreditation for Polytechnics Lec - III	Dr. Rayapati Subharao
5.	NBA Accreditation for Polytechnics Lec - IV	Dr. Rayapati Subharao
6.	NBA Accreditation for Polytechnics Lec - V	Dr. Rayapati Subharao
7.	NBA Accreditation for Polytechnics Lec - VI	Dr. Rayapati Subharao
8.	NBA Accreditation for Polytechnics Lec -VII	Dr. Rayapati Subharao
9.	Planning of Laboratory Class	Dr. Dipankar Bose
10.	NBA Accreditation for Polytechnics Lec -VIII	Dr. Rayapati Subharao
11.	NBA Accreditation for Polytechnics Lec - IX	Dr. Rayapati Subharao
12.	NBA Accreditation for Polytechnics Lec - X	Dr. Rayapati Subharao
13.	NBA Accreditation for Polytechnics Lec - XI	Dr. Rayapati Subharao
14.	Essentials of Stress Management Lec-I	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
15.	Essentials of Stress Management Lec-II	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
16.	Essentials of Stress Management Lec-III	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
17.	Essentials of Stress Management Lec-IV	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
18.	Essentials of Stress Management Lec-V	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
19.	Essentials of Stress Management Lec-VI	Dr. Dipankar Bose Dr. Rita Karmakar (Guest Faculty)
20.	Introduction to Fluid Mechanics Lec-I	Dr. Dipankar Bose Dr. Chandan Guha (Guest Faculty)
21.	Introduction to Fluid Mechanics Lec-II	Dr. Dipankar Bose Dr. Chandan Guha (Guest Faculty)
22.	Introduction to Fluid Mechanics Lec-III	Dr. Dipankar Bose Dr. Chandan Guha (Guest Faculty)

WORKSHOP

NITTTR, Kolkata conducted total 11 workshops on various topics related to Curriculum Development and Implementation, NBA Accreditation related activities in which 410 participants attended the programs. Distribution of participants in content based STTPs is reflected in the pie-chart below:

Sl. No.	Name of the Programme	Venue	Date: From	Date: To	Total No. of Participants
1	5th Regional Workshop on Technical Education System in North Eastern States	Guwahati, Assam (Hotel Atithi)	25/04/2019	27/04/2019	410
2	Outcome Based Education	B. P. Poddar Institute of Management & Technoogy, Kolkata	24/04/2019	25/04/2019	
3	Curriculum Revision for the State of Nagaland	NITTTR, Kolkata	03/06/2019	06/06/2019	
4	Preparation of Documents for NBA Accreditation	NIT, Durgapur	05/08/2019		
5	NBA Accreditation	NIT, Durgapur	07/06/2019	08/06/2019	
6	NBA Accreditation	Ghaighata Govt. Polytechnic	10/01/2020		
7	NBA Accreditation	Hooghly Institute of Technology	15/02/2020		
8	E-Procurement, GeMs, State / Central Procurement Process	Govt. ITI, Cuttack, Odisha	17/06/2019	18/06/2019	
9	National Educational Policy (NEP) 2019	NITTTR, Kolkata	23/07/2019	24/07/2019	
10	AICTE & NITTTRs Director Meeting	NITTTR, Kolkata	22/08/2019		
11	Directors of Technical Education of Eastern Region	NITTTR, Kolkata	29/08/2019		

LIST OF EMPLOYEES

FACULTY

- 1 Arpan Kumar Mondal, Ph.D - Assistant Professor, Mechanical Engg. Department
- 2 Chandan Chakraborty, Ph.D - Professor, Computer Science & Engg. Department
- 3 Debi Prasad Mishra, Ph.D - Director
- 4 Dipankar Bose, Ph.D - Professor, Mechanical Engg. Department
- 5 Habiba Hussain, Ph.D - Associate Professor, Edn. and Management Department
- 6 Indrajit Saha, Ph.D - Assistant Professor, Computer Science & Engg. Department
- 7 Jagat Jyoti Mandal, Ph.D - Professor, Civil Engineering Department
- 8 Kinsuk Giri, Ph.D - Assistant Professor, Computer Science & Engineering Department
- 9 Mithu Dey, M.Tech - Assistant Professor, Civil Engineering Department
- 10 Nirmal Kumar Mandal, M.Tech - Associate Professor, Mechanical Engg. Department
- 11 Prasanta Sarkar, Ph.D - Professor, Electrical Engineering Department
- 12 Rajeev Chatterjee, M.Tech - Assistant Professor, Comp. Sc. & Engg. Department
- 13 Ranjan Dasgupta, Ph.D - Professor, Computer Science & Engg. Department
- 14 Rayapati Subharao, Ph.D - Associate Professor, Mechanical Engg. Department
- 15 Sagarika Pal, Ph.D - Associate Professor, Electrical Engineering Department
- 16 Sailendra Nath Mandal, Ph.D - Professor, Civil Engineering Department
- 17 Samir Roy, Ph.D - Professor, Computer Science & Engineering Department
- 18 Samiran Mandal, Ph.D - Professor, Mechanical Engineering Department
- 19 Santanu Bhanja, Ph.D - Professor, Civil Engineering Department
- 20 Sheela Yadav Rai, M.Tech - Assistant Professor, Electrical Engg. Department
- 21 Soumitra Kumar Mandal, Ph.D - Professor, Electrical Engineering Department
- 22 Subrata Chattopadhyay, Ph.D - Professor, Electrical Engineering Department
- 23 Subrata Mondal, Ph.D - Associate Professor, Mechanical Engg. Department
- 24 Sukanta Kumar Naskar, Ph.D - Associate Professor, Edn. and Mgt. Department
- 25 Uday Chand Kumar, Ph.D - Professor, Civil Engineering Department
- 26 Urmila Kar, Ph.D – Professor, Education and Management Department

OFFICER

- 27 Ashadur Rahaman, B.E. - Technical Officer
- 28 Avijit Kundu, M.Tech - Technical Officer
- 29 Subir Basak, MBA - Sr. Administrative Officer
- 30 Yogamay Das, B.Sc - Technical Officer

STAFF

- 31 Ashoke Paul, Junior Secretariat Assistant
- 32 Animesh Shome, Senior Secretariat Assistant
- 33 Anokhe Lal Balmiki, MTS
- 34 Anup Kumar Saha, Assistant Section Officer
- 35 Ashis Dogra, Senior Secretariat Assistant
- 36 Ashish Kumar Das, Sr. Technical Assistant
- 37 Bapi Sadhukhan, Senior Technician
- 38 Bhanu Prasad, Section Officer Gr. II
- 39 Bijay Chandra Gochhayat, MTS
- 40 Bisan Bahadur Pradhan, MTS
- 41 Bishu Das, MTS
- 42 Chandi Das Mondal, MTS
- 43 Chinmoy Jana, Technical Assistant Gr.II
- 44 Dasarath Mandi, MTS
- 45 Debashis Shaw, Senior Technician
- 46 Dipak Gupta, Assistant Section Officer
- 47 Dipali Paramanik, Senior Secretariat Assistant

- 48 Dulal Chandra Naskar, MTS
- 49 Ganesh Mandal, MTS
- 50 Gobardhan Mandal, Assistant Section Officer
- 51 Indrajit Nandy, Senior Secretariat Assistant
- 52 Joseph Bhutia, Senior Secretariat Assistant
- 53 Joydeep Bandopadhyay, Section Officer Gr. II
- 54 Kallol Modak, Sr. Technical Assistant
- 55 Khokan Mondal, MTS
- 56 Mainak Mandal, Technical Assistant Gr. II
- 57 Nitai Kumar Sarkar, Technical Assistant Gr. II
- 58 Nontu Hazra, MTS
- 59 Paresh Sardar, MTS
- 60 Pradeep Kumar Nayak, Senior Technician
- 61 Prasanta Paul, Sr. Technical Assistant
- 62 Pratap Jana, MTS
- 63 Praveen C. D. Siodiya, Sr. Technical Assistant
- 64 Priyatosh Dey, MTS
- 65 Radhanath Rout, MTS
- 66 Rajender Singh Bisht, MTS
- 67 Rajpal Balmiki, MTS
- 68 Ramanuj Dutta Roy, Section Officer Gr. II
- 69 Sanjit Kumar Datta, MTS
- 70 Sanjoy Sen, Junior Secretariat Assistant
- 71 Sati Nath Mitra, Technical Assistant Gr. II
- 72 Satyaki Kar Gupta, Technical Assistant Gr. II
- 73 Shyamal Murari, MTS
- 74 Shyamapada Mandi, Senior Secretariat Assistant
- 75 Siru Murmu, MTS
- 76 Sofiul Anam, Sr. Technical Assistant
- 77 Soma Bhattacharjee Samadder, Senior Secretariat Assistant
- 78 Sourav Roy Choudhury, Junior Secretariat Assistant
- 79 Subrata Mitra, Section Officer Gr. II
- 80 Sumit Roy Chowdhury, Senior Technician
- 81 Swapan Dey, Section Officer Gr. II
- 82 Swapan Kumar Halder, Junior Secretariat Assistant
- 83 Swapan Majumder, MTS
- 84 Swarup Chand Bala, Assistant Section Officer
- 85 Tapas Kumar Jana, MTS
- 86 Tapas Sarkar, Technical Assistant Gr. I
- 87 Utpal Chakraborty, Technical Assistant Gr. II
- 88 Uttam Kumar Dutta, MTS

PUBLICATIONS

BOOK CHAPTER

1. D. Pramanik, A.S. Kaur and **D. Bose** *Effects of Wire EDM Machining Variables on Material Removal Rate and Surface Roughness of Al 6061 Alloy*, Renewable Energy and Its Innovative Technologies, Edited J. Chattopadhyay et.al, Springer Nature Singapore Pte.Ltd.2019
2. **Subrata Mondal**, *Cellulosic Nanomaterials, In 21st Century Nanoscience – A Handbook, Design Strategies for Synthesis and Fabrication* (Volume-2, Chapter IV), Ed. Klaus D. Sattler, CRC Press (Taylor & Francis), Boca Raton, November, 2019, eBook ISBN: 9780367341558, DOI: <https://doi.org/10.1201/9780367341558>
3. **Subrata Mondal**, *Cellulose Nanocrystal as a Prospective Reinforcement for Polymer Matrix Nanocomposites, In Encyclopedia of Renewable and Sustainable Materials*, Eds. Saleem Hashmi and Imtiaz Ahmed Choudhury, Vol 5, pp 42-53, Elsevier, 2020, ISBN: 978-0-12-813196-1, DOI: <https://doi.org/10.1016/B978-0-12-803581-8.11292-5>
4. M. Bandyopadhyay and **S. Chattopadhyay**; - *Wireless Medicine Searching System Using GSM Modem*, **Book - Advancements in Instrumentation and Control in Applied System Applications**, IGI Global Publishing, Chapter 9, Pages: 17, January 2020, USA.
5. N. Sahay and **S. Chattopadhyay** ; - *Characteristic Behaviour of PVDF-Compliant Structure as an End Effector Using Creo Element/Pro Release 5.0*, **Book - Advancements in Instrumentation and Control in Applied System Applications**, IGI Global Publishing, Chapter 12, Pages: 10, January, 2020, USA.
6. S. Ganguli, G. Kaur, **P Sarkar** & Suman S. Rajest, (2020) *An algorithmic approach to system identification in the delta domain using FAdFPA algorithm* Published in Book Series: EAI/Springer Innovations in Communication and Computing, Chapter 12, *Business Intelligence for Enterprise Internet of Things*, (2020), Editors: Prof. Dr. Anandakumar Haldorai, Dr. Arulmurugan Ramu, Dr. Syed Abdul Rehman Khan, Publisher: Springer International Publishing Springer Book Chapter.
7. J. Swarnakar, **P. Sarkar** and L. J. Singh, *Realization of fractional-order proportional derivative controller for a class of fractional-order system in delta domain*, Intelligent Communication, Control and Devices, part of the Advances in Intelligent Systems and Computing, vol. 989, pp. 303-311, 2019, Springer (Published on: 28th August, 2019)

JOURNALS

8. **Subrata Mondal**, *Potential of nanotechnology for rural applications*, Arabian Journal for Science and Engineering, Vol 45, February, pp 5011-5042, 2020, Springer, ISSN: 2191-4281 (Electronic); 2193-567X (Print), DOI: <https://doi.org/10.1007/s13369-019-04332-5> (Impact factor: 1.711).
9. Application of MCDM approaches: A case study of evaluating performance and selection of machines in an automobile industry. Gourav Lal and **Sukanta Kumar Naskar**, European Journal of advances in engineering and technology, 2019, Page No.: 31-36 ISSN: 2394 - 658X, pp31-36
10. Sourath Ghosh , **Sukanta Kumar Naskar** and **Nirmal Kumar Mandal**, *Estimating the Residual Life of Cutting Tool in Turning Process under Variable Cutting Conditions*, European Journal of advances in engineering and technology, 2019, Page No.: 31-36 ISSN: 2394 - 658X, pp36-44

11. T. Kar, **N. K. Mandal**, N. K. Singh, *Multi-response Optimization and Surface Texture Characterization for CNC Milling of Inconel 718 Alloy*, published in 'Arabian Journal for Science and Engineering' Springer, DOI 10.1007/s13369-019-04324-5 (SCI indexed)
12. Ranjan, S. Chakraborty, D. Kumar. **D. Bose**, *Multi-objective Optimization of Hybrid Machining Process Abrasive Powder Mixed WEDM of Inconel 718 using Particle Swarm Optimization Technique*, Materials Today: Proceedings Journal - Elsevier, Vol-18, pp 3606-3616, (2019).
13. **R. Chatterjee**, J. Mandal, *A Content Proposer System (CPS) based on Deficiencies of Confidence Based Learning (CBL)*, *Journal of Scientific and Industrial Research*, 78(1), 35-38. (SCI), (2019)
14. **R. Chatterjee**, S. Kar & J. Mandal, *An Intelligent Prescription of Content Modelling for A Typical Learner*, *International Journal Of Computer Sciences And Engineering*, 7(1), 128-131, (2019).
15. P. Dutta, **R. Chatterjee**, & J. Mandal, *An approach for deployment of BRS in software-defined network*, *Innovations in Systems and Software Engineering: A NASA Journal*, 15(3-4), 355-361. doi: 10.1007/s11334-019-00340-8 (ESCI), (2019).
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CAMPUS

The Institute campus extends over an area of about 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.

INFRASTRUCTURE DEVELOPMENT (2019-20)

Sl. No.	Name of work	Value of work (Rs. In lakh)	Status of work on 31/03/2020
1	Renovation / Up gradation including providing aluminium work of Mechanical Engineering Department Laboratory in the ground floor of Old Building.	30.24	Completed
2	Construction of Toilet Block at the back side of Auditorium, NITTTR, Kolkata	10.455	Completed
3	Renovation /Up gradation including providing aluminium work of Mechanical Engineering Deptt. Laboratory in the ground floor of Old Building.	30.24	Completed
4	Providing additional amenities/ features to the Auditorium, like HD-LED Display unit, exit signage, façade lighting, invertor unit etc. at NITTTR, Kolkata	33.75	Completed
5	Construction of (G+2) Ladies Hostel at FC Block Campus	556.54	Completed
6	Overhauling of Iron removal treatment plant of NITTTR, Kolkata	4.58	Completed
7	Providing Hostel Furniture for New Ladies Hostel of NITTTR, Kolkata	27.83	Completed
8	Providing and fixing of chairs to the Auditorium	31.66	Completed
9	Renovation and modification of Academic building of NITTTR-K, Extn. Centre, Girl's Polytechnic Campus at Bamunimaidan, Guwahati	39.99	Completed
10	Renovation and Up gradation of Hostel no-I at FC Block Campus, NITTTR, Kolkata (Civil + Electrical work)	170.51 (150.65+ 19.86)	Work in progress
11	Electrical renovation work of Mechanical Engineering Department Lab (Electrical work)	12.67	Work in progress
12	Outside repairing and painting of Executive Hostel (phase -I)	15.516	Work in progress

HOSTELS

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, 1384 trainees from various polytechnics and engineering colleges stayed in the Executive Hostel. Other than these, there were 114 officials and guests who stayed in the hostel.



Executive Hostel

PG HOSTEL

Statistics of Boarders at M. Tech. Students' Hostel (2019-20)

Academic Year	Number of Boarders		
	Boys	Girls	Total
1 st Year	21	4	25
2 nd Year	18	2	20
	Grand Total		45

MATTER OF LITIGATION

During the year 2019-20, a legal notice was served to the Institute challenging the Memorandum dated 18/09/2017 issued under Ref. No. NITTTR-K/E/4-5/2017-18/1213 Vide No. WP 24751 of 2019 (Tushar Kanti Dey Vs NITTTR, Kolkata & 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

Like every year, NITTTR, Kolkata celebrated the month of September 2019 as the Official Language Month through various language activities programme including a one-day "Official Language Competition Programme" on 16.09.2019. On this occasion, this Institute organised two levels of competition in Raj Bhasha Hindi. The first competition was "Hindi Essay Writing Competition" for Group "A", "B" and "C" category of employees of the Institute on the topic "One Step Towards Cleanliness – In The Context Of This Institute" and the second competition was "Extempore Speech In Hindi" on the topic "Role Of Plastic In Global Warming" for employees, trainees and students of the Institute. The winners of the first level of competition were Shri Rajpal Balmiki (1st), Shri Radhanath Rout (2nd), Prof. R. Subbarao (3rd) and Shri Sourav Roy Choudhary (Consolation). The winners of the second level of competition were Prof. R. Subbarao (1st), Shri Sourav Roy Choudhary (2nd), Shri Radhanath Rout (3rd) and Shri P. D. Siyodia (Consolation). The Official Language Activities Programme 2019 ended with distribution of prizes to the winners of the above competitions by the Director and vote of thanks to all the participants.

RIGHT TO INFORMATION ACT, 2005

During the year 2019-20, the Public Information Officer of the Institute received a total 4 (four) applications under RTI Act, 2005 seeking information related to the Institute. Among these 4 (four) applications, 2 (two) were received through the Ministry of HRD while remaining 2 (two) applications were received directly from the applicants under intimation to the Ministry concerned as applicable which were responded within the time limit. During the financial year 2019-20 ending, i.e., as on 31-03-2020, there was no RTI application pending.

ANNUAL EVENTS

5TH REGIONAL WORKSHOP ON TECHNICAL EDUCATION SYSTEM FOR THE POLYTECHNICS OF NORTH EASTERN STATES (25TH – 27TH APRIL 2019)

The endeavor of the Institute to augment the quality of polytechnic education system of North Eastern States has been well appreciated in many platforms after successful organization of four regional workshop since 2015 at Gangtok, Sikkim (2015), Shillong, Meghalaya (2016), Dirang, Arunachal Pradesh (2017), Kohima, Nagaland (2018) with the active support from the Directorate of Technical Education of the respective states. In this line, the fifth regional workshop was organized at Guwahati during 25th -27th April 2019 being the theme of the workshop was “Impact of Training for Teachers – Pivotal issues in North Eastern Polytechnics”. Total 70 participants from various North Eastern states and other states of the country have been participated in the Regional Workshop at Guwahati, Assam. The 5th Regional Workshop was concluded with specific recommendations such as (i) The Role of AICTE in Enhancing Polytechnic Education Systems in North Eastern (NE) states (ii) Special Short Term Training Programme (iii) Training and Placement Portal (iv) Apprenticeship Training by Logistic Skill Council (v) Preparation of Laboratory Manual, Introductory Videos and Others.





Glimpses of the 5th Regional workshop on Technical Education System for the Polytechnics of North Eastern States (25th – 27th April 2019) organised by NITTTR, Kolkata at Guwahati

ANTI-TERRORISM DAY PLEDGE SOLEMNISATION, 21-05-2019

This institute celebrated the Anti-Terrorism Day Pledge in befitting manner. Both English and Hindi version of Pledge were duly solemnized. All teaching, non-teaching staff, trainees and students participated in pledge taking ceremony at Mini Auditorium of the Institute



The Pledge on Anti-Terrorism day is being observed at NITTTR, Kolkata's Mini Auditorium on May 21, 2020

OBSERVANCE OF WORLD NO TOBACCO DAY (31ST MAY 2019)



With reference to the directive/s received from Ministry of HRD "World No Tobacco Day" was observed in the Institute at Mini Auditorium on Friday the 31st May 2019. Prof. Prasanta Sarkar, Director-in-Charge addressed the gathering wherein stress was given to the effect of consuming tobacco. Shri Subrata Mitra, Section Officer Gr. II initiated the Oath taking ceremony for No Tobacco Day. The programme was attended by the members of staff, faculty, trainees and student of the Institute.

NITTTR, Kolkata is observing the World Tobacco Day on 31st May 2020

WORLD ENVIRONMENT DAY 2019

World Environment Day (WED) is a yearly event celebrated every year on 5th June in order to raise global awareness and to take positive environmental action to make our planet greener and cleaner. Like previous years this year also the World Environment Day was celebrated at the National Institute of Technical Teachers' Training and Research, Kolkata campus on 5th June 2019, Wednesday at 5:00 PM. The theme for this year WED was "Air Pollution". To beat the air pollution, tree plantation activities were organized at NITTTR Kolkata premises. Various kind of trees were planted around the campus.



Director and staff of NITTTR, Kolkata are observing World Environment Day by planting sapling on the campus

CELEBRATION OF INTERNATIONAL DAY OF YOGA

NITTTR-Kolkata celebrated "International Day of Yoga" on June 21, 2019 with active participation of Director, teaching and non-teaching staff and students of the institute. Mr. Shivam Kumar Roy, Yoga Instructor from Kolkata Yoga Club described the benefits of "Yogasana" and staged a yoga session for the participants. The session ended with "Sankalpa" and Shanti path by Mr Avijit Kundu, co-ordinator of the Event.



International Day of Yoga is being celebrated in NITTTR, Kolkata by its staff members and students by practicing “Yogasana”

JAL SHAKTI ABHYAAN (22 JULY 2019)

At the direction of Government of India, Ministry of HRD (Department of Higher Education) water conservation campaign “Jal Shakti Abhyaan” with a stress on ban of “Single Use Plastics” coined by Hon’ble Prime Minister of India. This institute took initiative with regard to the water conservation for improving the ground water resources. The activities were enumerated below:

A bore well recharge structure has already been installed inside the campus for recharging the ground water. (Photograph attached). The Institute is in the process of installation of another bore well recharge structure within the campus.

Regarding the installation of Roof top rain water harvesting, CPWD engineers have already visited and surveyed the building of the Campus and they are in the process of preparation of necessary plans.

The Institute has also taken initiative for awareness development for stopping the wastage in daily use of water by making different captions like – “close the tap after use”, “water is life don’t waste water” etc.



NITTTR, Kolkata employees are observing the Jal Shakti Abhyaan held on 22.07.2020 at Institute premises

TWO DAYS DISCUSSIONS ON THE DRAFT OF NATIONAL EDUCATION POLICY

A two-day discussion was organized during 23-07-2019 and 24-07-2019 on outcomes and feedbacks of the draft National Education Policy 2019 in the Institute premises. The workshop was coordinated by Dr. Kinsuk Giri and Dr Arpank Kumar Mondal, Assistant Professor, NITTTR Kolkata. It was attended by the members of faculty, STTP trainees and PG students. The first day was dedicated to school education and the 2nd day dedicated to Higher education. The feedback of the discussion was also jotted down. The same was forwarded to Ministry of HRD (Department of Higher Education).



A discussion on “New education Policy” is going on at the NITTTR, Kolkata Mini Auditorium

INDEPENDENCE DAY CELEBRATION

The Institute celebrated 73rd Independence Day in its campus in a befitting manner which was attended by the faculty, staff and students of the Institute. The Director of the Institute hoisted the tri colour to mark the day. Prof. Phalguni Gupta, Director of the Institute delivered a speech on the contributions of great leaders in making the country free and the responsibility of the citizen of an independent country. One cultural programme and badminton championship were also conducted to mark the day. The gathering concluded with national Anthem.



NITTR, Kolkata observes the 73rd Independence Day through hoisting the National flag and organising a cultural event by staff members

SWACHHATA PAKHWADA, 2019

During 1st September 2019 to 15th September 2019 Institute observed the Swachhata Pakhwada wherein all faculty members, staff members, students and participants of STTP participated in group discussion to achieve the mission of Jal Shakti Abhyaan and to stress on ban of Single Use Plastics followed by the lecture on Rain Water Harvesting and water Conservation. All the members took active participation in the group discussion process. Apart from the key note speaker, the audience interacted with the experts in the field and shared their knowledge of basic water conservation, water treatment procedures and the harmfulness of plastics for the future generation. After extensive discussion a lot of new ideas has come up to tackle the present situation of water scarcity and reduce the use of plastics to avoid the environmental pollution. All the members left the venue after gaining full awareness and knowledge of the Swachhata Pakhwada – 2019 in light of Jal Shakti Abhyaan and Ban of Single Use Plastics.





2 weeks of “Swachhata Pakhwada 2019” is going on at NITTTR, Kolkata through cleaning the campus and organising an awareness programme

WORKSHOP-CUM-MEETING OF NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING

Workshop-cum-Meeting on National Institute of Technical Teachers Training programme of AICTE was held at NITTTR, Kolkata and NITTTR Kolkata Extension Centre, Guwahati on 23 October 2019 and 17 February 2020 respectively. The Members of Kincha Committee, AICTE Representatives and Directors of all the NITTTRs were also present in both the workshop-cum-meetings.



The representative of AICTE, Kincha Committee and Directors of Four NITTTR are interacting on a Workshop-cum-Meeting held at NITTTR, Kolkata Guwahati extension centre on 23rd October 2019 and 17th February 2020

VIGILANCE AWARENESS WEEK (28TH OCTOBER 2019)

Institute observed the Vigilance Awareness Week from 28th October 2019 to 2nd November 2019 with the theme “Integrity: Way of Life”. The Director of the Institute addressed the gathering on vigilance awareness. On the occasion, students, faculty and staff members

took the pledge. Discussion / debate on “Vigilance Awareness” and “Integrity: Way of Life” took place among students.



The employees of NITTTR, Kolkata are taking Pledges on “Vigilance Awareness Week” on 28th October 2019

RASHTRIYA EKTA DIWAS (31ST OCTOBER 2019)

As per the instruction of Ministry of Human Resource Development Institute celebrated the Rashtriya Ekta Diwas on 31st October 2019 in the Institute campus in a befitting manner to commemorate the birth anniversary of 144th birth anniversary of Sardar Vallabhbhai Patel.

On the occasion, students, faculty and staff members took the pledge to keep to preserve unity, integrity and security of the country. Institute also organized ‘Run for Unity’ to spread the thinking of the iron man of India.



NITTTR, Kolkata's employees and students are observing the “Rashtriya Ekta Diwas” to commemorate the 144th birth anniversary of Sardar Vallabhbhai Patel

12TH INTER NITTTR SPORT MEET AT NITTTR, BHOPAL – 2019

12th INTER-NITTTR SPORTS MEET was organized AT NITTTR, Bhopal from 19-22 November, 2019. All the four NITTTRs participated in the Sports Meet. There was 15 events under 7 different games, i. e. Badminton, Table Tennis, Carom, Chess, Auction Bridge, Volleyball and 100 Meter Race. Seventeen participants from NITTTR, Kolkata participated in different events. NITTTR Kolkata came at third position by winning 4 Gold Medals, 4 Silver Medals and 1 Bronze Medal in the Medal Tally without competing in the women based events as there was no women participants in our side.

NITTTTR, Chandigarh won 6 Gold Medals, 4 Silver Medals and 3 Bronze Medals to hold the Championship Trophy, NITTTTR, Bhopal came at second position by winning 5 Gold Medals, 5 Silver Medals and 4 Bronze Medals Whereas NITTTTR Chennai stood at 4th Position by obtaining 2 Silver Medals and 7 Bronze Medals. A cultural program was organized in the final day of the event and members from different NITTTTRs performed dance, songs and drama to show their own culture.





Some enchanting moments of 12th Inter-NITTR Sports Meet organised by NITTR, Bhopal during 19-22 November, 2019

CELEBRATION OF NATIONAL EDUCATION DAY

National Education Day was celebrated on 11th November 2019 to commemorate the birth anniversary of Maulana Abul Kalam Azad. Dr. Prasanta Sarkar, Professor and officiating Director presided over the meeting. All the faculty members, staff, trainees and students attended the ceremony wherein the works of Maulana Abul Kalam Azad was highlighted and importance of National Education Day was discussed. One essay competition was also arranged in this occasion.



NITTTR, Kolkata is celebrating the 'National Education Day' on the birth anniversary of Maulana Abul Kalam Azad. Prof PK Sarkar, officiating Director is felicitating the successful participant of essay competition shown in the picture

CELEBRATION OF CONSTITUTION DAY

The Institute celebrated the Constitution Day on 26th November 2019 in the befitting manner. The programmes were conducted on this occasion as per the directives given the Government of India. The programme started with the reading of Preamble to the Constitution and the Fundamental Duties in the Constitution of India. All the faculty members, staff, trainees and students attended the programme.



Preamble to the Constitution and the Fundamental Duties in the Constitution of India, are reading out on the eve of "Celebration of Constitution Day" ceremony on 26th November 2019 at NITTTR, Kolkata

FOUNDATION DAY CELEBRATION

NITTTTR, Kolkata celebrated its 56th Foundation Day on 11th January 2020. Shri Harshavardhan Neotia, Chairman of the Board of Governors was the Chief Guest at the function.



Few captivating moments of 56th Foundation Day celebration of NITTTTR, Kolkata held on 11th January 2020

The function commenced by the hosting of the National Flag and the singing of the national anthem. In his address to the audience, the Director highlighted the institutional achievement and future aspect of the Institute. The 37th Meeting of Board of Governors was also organized where most of the BOG members were also present.

The day also saw the recognition of employees who completed continuous service of 25 years in the Institute and also the award to the Best Performer of the Institute for 2019. This year Shri Subrata Mitra, Section Officer Gr. II and Ashish Kumar Das, Senior Technical Assistant got the award jointly for their outstanding performance. On this auspicious occasion also institutional activities were displayed. The programme ended with a cultural programme.

REPUBLIC DAY CELEBRATION

The 71st Republic Day of India was celebrated in the Institute in a grand manner on 26th January 2020. The Director of the Institute, Prof. Phalguni Gupta hoisted the National Flag to mark the day. Participation in the programme all across of the society of NITTTR, Kolkata fraternity were excellent.



Director NITTTR, Kolkata is hoisting the National Flag to celebrate the 71st Republic Day on 26th January 2020

PARIKSHA PE CHARCHA

Hon'ble Prime Minister Shri Narendra Modi interacted with students from pan India and shared his experience with the young audience on 20th January 2020. The Hon'ble Human Resource Minister presided over the meeting which was webcasted in the Institute and attended by the students, trainees and members of faculty of the Institute.





Staff, Student and STTP participants of NITTTR, Kolkata are watching Hon'ble Prime Minister and Hon'ble Human Resource Minister's webcasted speech on 'Pariksha Pe charcha' on 20th January 2020 at NITTTR, Kolkata seminar room

CELEBRATION OF INTERNATIONAL MOTHER LANGUAGE DAY – 2020

International Mother Language Day is observed annually across the world to commemorate the pride of mother tongue, its cultural diversity and linguistic importance. International Mother Language Day was first announced by UNESCO on November 17, 1999. Since then it is being celebrated every year. NITTTR, Kolkata has celebrated the day with due solemnity in the Mini Auditorium of the Institute in presence of Director, Prof. Phalguni Gupta, staff members, faculty, students and the STTP Trainees. The event started with an inaugural song by one of our Trainee.

Director, Prof. Phalguni Gupta enlightened the event with the historical background of the day in his speech. Prof. Ranjan Das Gupta explained the substance of "Amar Bhaier Rakte Rangano Ekushey February, Ami Ki Bhulite Pari?". Student and Staff members of the institute perform songs and recitation to pay respect to his mother tongue. At the end some memento has been distributed to the top performers. The event was successfully coordinated by the members of Technology Development Cell.





NITTTR, Kolkata's staff and students are celebrating the 'International Mother Day' on 21st February, 2020 with speeches, songs, recitations etc

FINANCIALS

The Institute is financed by the Department of Higher Education, Ministry of Human Resource Development, Government of India. During 2019-20, the Institute received a grant of Rs. 3500.00 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, 2020

Amount in Rupees			
SOURCE OF FUNDS	Schedule	Current Year	Previous Year
CAPITAL FUND	1	3757,18,208	5776,76,877
DESIGNATED/EARMARKED/ENDOWMENT FUNDS/CORPUS FUND	2	2570,84,625	196,98,693
CURRENT LIABILITIES & PROVISIONS	3	4966,81,366	4061,99,134
TOTAL		11294,84,199	10035,74,704
APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS			
Tangible Assets	4	2733,84,683	2140,03,185
Intangible Assets	4	19,86,393	18,42,343
Capital Works-in-Progress	4	874,47,095	1428,56,405
INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	5	52,58,730	39,75,929
Long Term			
Short Term			
INVESTMENTS - OTHERS	6	-	-
CURRENT ASSETS	7	6676,29,890	5888,73,660
LOANS, ADVANCES & DEPOSITS	8	937,77,408	520,23,182
TOTAL		11294,84,199	10035,74,704
SIGNIFICANT ACCOUNTING POLICIES	23	-	-
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	24		

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31ST MARCH, 2020

Amount in Rupees

Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9		61,99,425
Grants / Subsidies	10	2328,51,460	2396,01,284
Income from Investments	11	218,96,869	393,34,488
Interest earned	12	4,10,157	12,76,679
Other Income	13	25,28,640	34,20,311
Prior Period Income (Liabilities W/Back)	14		-
Deferred Income AS 12 [Corresponding to Sch 4]	4	312,68,893	131,92,709
TOTAL (A)		2889,56,019	3030,24,896
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	1692,53,847	1867,62,087
Academic Expenses	16	163,85,495	202,01,198
Administrative and General Expenses	17	296,05,416	289,13,631
Transportation Expenses	18	2,83,302	6,31,035
Repairs & Maintenance	19	171,06,935	30,21,787
Finance Costs	20	54,465	19,830
Depreciation	4	312,68,893	131,92,709
Other Expenses	21	-	
Prior Period Expenses	22	1,62,000	51,716
TOTAL(B)		2641,20,353	2527,93,993
Balance being excess of Income over Expenditure (A - B)		248,35,666	502,30,903
Unspent balance of Grants transferred to Other Current Liabilities [Sch.3(A)(6)(d)]		218,96,869	393,34,488
Balance Being Surplus / (Deficit) Carried to Capital Fund		29,38,797	108,96,415
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

SCHEDULE - 1: CAPITAL FUND(CORPUS/CAPITAL FUND for previous year)

Amount in Rupees

	Particulars	Current Year	Previous Year
	Balance at the beginning of the year	5776,76,877	5286,29,966
Add:	Contributions towards Corpus/Capital Fund	-	-
Add:	Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure(including NER)	353,85,131	513,43,205
Add:	Assets Purchased out of Earmarked Funds	66,00,211	
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the Institution		
Add:	Assets Donated Gifts Received		
Add:	Other Additions :		
	Current assets transferred from Earmarked Fund	4,000	
	Deffered Income AS-12	(312,68,893)	(313,31,529)
	Old provisions written back	33,57,029	181,38,820
Add:	Excess of Income over Expenditure transferred from the Income & Expenditure Account	29,38,797	108,96,415
Total		5946,93,152	5776,76,877
(Deduct)	Creation of Corpus Fund transferred to Schedule -2	2189,74,944	-
(Deduct)	Deficit transferred from the Income & Expenditure Account	-	-
(Deduct)		-	-
	Balance at the year end	3757,18,208	5776,76,877

SCHEDULE - 2: DESIGNATED / EARMAKRD / ENDOWMENT FUNDS

Particulars	Corpus Fund	PDMTVE	MOD/MECH (II)	COMPUTER LAB	SKILL CONTEST	DST COMP. SCIENCE	IWAML-2018	OBC EXPANSION	CPSC	QIP-AICTE	MOOC	NRC	Current Year	Previous Year
A.														
a) Opening Balance		20,07,190	43,748	69,620	41,58,578	2,82,714	2,77,404	97,92,844	29,703	62,595	15,20,467	14,53,830	196,98,693	178,08,511
b) Additions during the year	2189,74,944				-		-			2,47,980	15,60,000	-	2207,82,924	29,11,346
c) Academic Income	70,99,950						10,000						71,09,950	
d) Income from Investments made of the funds	143,35,100	1,46,392			2,78,665			1,56,163				-	149,16,320	6,69,590
e) Interest on Savings Bank A/c	77,096		1,551	2,397		2,000	-	6,152		3,711	42,926	60,135	1,95,968	1,19,611
f) Other additions/Advance	11,69,060												11,69,060	
g) Current Liabilities(Sch.3)	48,05,112									12,110			48,17,222	30,06,000
Total (A)	2464,61,262	21,53,582	45,299	72,017	44,37,243	2,84,714	2,87,404	99,55,159	29,703	3,26,396	31,23,393	15,13,965	2686,90,137	245,15,058
B.														
Utilization/Expenditure towards objectives of funds						1,20,707							1,20,707	-
i) Capital Expenditure						37,211		65,63,000					66,00,211	-
ii) Revenue Expenditure	21,89,636				2,93,090	1,26,796	2,87,404		25,703	93,433	3,64,532		33,80,594	33,16,365
iii) Others (Advance)						-			4,000		15,00,000		15,04,000	15,00,000
Total (B)	21,89,636		-		2,93,090	2,84,714	2,87,404	65,63,000	29,703	93,433	18,64,532	-	116,05,512	48,16,365
Closing balance at the year end (A-B)	2442,71,626	21,53,582	45,299	72,017	41,44,153	-	-	33,92,159	-	2,32,963	12,58,861	15,13,965	2570,84,625	196,98,693
Represented by														
Cash and Bank Balances	28,96,254		45,299	72,017	41,39,353			1,05,607		2,32,963	12,58,861	15,13,965	102,64,319	78,31,603
Investments	2232,42,440	20,66,498						31,92,232					2285,01,170	39,75,929
Advances/Deposits/TDS	21,020				4,800	-		44,712					70,532	1,24,012
Capital work-in-progress/assets													-	66,00,211
Interest accrued but not due	181,11,912	87,084						49,608					182,48,604	1,66,938
Others													-	10,00,000
Total	2442,71,626	21,53,582	45,299	72,017	41,44,153	-	-	33,92,159	-	2,32,963	12,58,861	15,13,965	2570,84,625	196,98,693

SCHEDULE - 3: CURRENT LIABILITIES & PROVISIONS

Amount in Rupees

Particulars		Current Year	Previous Year
			Corpus Fund
A.	CURRENT LIABILITIES		
	1. Deposits form Staff		
	2 Deposits from Students		
	3. Sundry Creditors		
	a) Others	109,47,204	1,82,654
	4. Deposit - others (including EMD, Security Deposit)	10,80,010	25,84,265
	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)]	4668,93,993	3632,33,715
	e) Grants in advance		
	f) Other Funds		
	g) Other Liabilities		
	i) Book credit with SBI		152,42,673
	ii) Others	24,90,069	55,30,778
	Total (A)	4814,11,276	3867,74,085
B.	PROVISIONS		
	1. For Taxation		-
	2. Gratuity	-	
	3. Superannuation Pension	-	
	4. Accumulated Leave Encashment	-	
	5. Trade Warranties/Claims		
	6. Others (Specify)(Liabilities for expenses)	152,70,090	194,25,049
	Total (B)	152,70,090	194,25,049
	Total (A + B)	4966,81,366	4061,99,134

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

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	1264,11,000	1477,54,205
	Add: Receipts during the year	525,00,000	300,00,000
	Total (a)	1789,11,000	1777,54,205
	Less: Utilized for Capital Expenditure(b)(Sch.4)	353,55,631	513,43,205
	Total (b)	353,55,631	513,43,205
	Unutilized carried forward (a - b)	1435,55,369	1264,11,000
b)	Plan General (Recurring)(OH-31)		
	Balance B/F	492,56,412	618,46,162
	Add: Receipts during the year	1175,00,000	695,00,000
	Add: Interest earned from Investment/Bank(Sec.11)	166,55,557	335,18,265
	Total (a)	1834,11,969	1648,64,427
	Less: Utilized for Recurring Expend.(b)(Sch.15,16,17,18,19,20 & 22)	1109,28,701	1156,08,015
	Total (b)	1109,28,701	1156,08,015
	Unutilized carried forward (a - b)	724,83,268	492,56,412
A.2	Non Plan Grants : Government of India		
a)	Non Plan (Salary)(OH-36)		
	Balance B/F	1054,00,927	1130,38,247
	Add: Receipts during the year	1800,00,000	1075,00,000
	Total (a)	2854,00,927	2205,38,247
	Less: Utilized for Recurring Expenditure(b) (Sch.15)	1163,80,144	1151,37,320
	Unutilized carried forward (a - b)	1690,20,783	1054,00,927
A.3	Plan Grants(North Eastern Region): Government of India		
a)	Plan Capital, NER (Non-Recurring)(OH-35)		
	Balance B/F	599,02,124	599,02,124
	Add: Receipts during the year		
	Total (a)	599,02,124	599,02,124
	Less: Utilized for Capital Expenditure(b)	29,500	-
	Unutilized carried forward (a - b)	598,72,624	599,02,124
b)	Plan General, NER (Recurring)(OH-31)		
	Balance B/F	222,63,252	253,02,978
	Add: Receipts during the year		-
	Add: Interest on Investment/Bank(Sch.11)	52,41,312	58,16,223
	Total (a)	275,04,564	311,19,201
	Less: Utilized for Recurring Expenditure(b)(Sch.15, 16 & 17)	55,42,615	88,55,949
	Unutilized carried forward (a - b)	219,61,949	222,63,252
B.	UGC Grants: Plan	Nil	
C.	UGC Grants: Non Plan	Nil	
D.	Grants from State Government	Nil	
* Grand Total (A + B + C + D)		4668,93,993	3632,33,715

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 A : FIXED ASSETS

Amount in Rupees

Sl. No.	Assts Heads	Gross Block				Depreciation for the year 2019-20				Net Block	
		Opening Balance 01.04.2019	Additions	Deductions	Closing Balance	Opening Balance	Depreciation for the year	Deductio ns/ Adjustm ent	Total Depreciation	31.03.2020	31.03.2019
1	Land	40,48,117			40,48,117					40,48,117	40,48,117
2	Site Development									-	
3	Buildings				-					-	
	i) Office Building	1533,19,277	313,15,585		1846,34,862	788,73,365	36,92,697	-	825,66,062	1020,68,800	744,45,912
	ii) Residential Building	451,37,548	209,45,366		660,82,914	216,17,983	13,21,658		229,39,641	431,43,273	235,19,565
	iii) Hostel Building	289,89,108	155,28,245	4,88,831	440,28,522	162,53,548	8,80,570	48,883	170,85,235	269,43,287	127,35,560
4	Roads & Bridges				-				-	-	
5	Tubewells & Water Supply	1,18,815			1,18,815	10,190	2,376		12,566	1,06,249	1,08,625
6	Sewerage & Drainage				-				-	-	-
7	Electrical Installation and Equipment	206,43,718	65,63,000	2,46,169	269,60,549	48,31,638	13,48,027	61,542	61,18,123	208,42,426	158,12,080
8	Plant & Machinery	1152,67,646			1152,67,646	1002,41,449	57,63,382		1060,04,831	92,62,815	150,26,197
9	Scientific & Laboratory Equipment	512,84,987	57,06,517		569,91,504	126,11,757	45,59,320		171,71,077	398,20,427	386,73,230
10	Office Equipment	59,95,504	1,71,008		61,66,512	12,64,198	4,62,488		17,26,686	44,39,826	47,31,306
11	Audio Visual Equipment	60,93,849	1,09,879		62,03,728	19,72,182	4,65,280		24,37,462	37,66,266	41,21,667
12	Computers & Peripherals	768,41,669	91,63,616		860,05,285	642,89,197	90,55,437		733,44,634	126,60,651	125,52,472
13	Furniture, Fixtures & Fittings	270,06,669	4,90,501		274,97,170	213,45,570	20,62,288		234,07,858	40,89,312	56,61,099
14	Vehicles	34,25,139			34,25,139	11,69,343	3,42,514	-	15,11,857	19,13,282	22,55,796
15	Library Books & Scientific Journals	100,00,224	4,538		100,04,762	96,88,665	36,145		97,24,810	2,79,952	3,11,559
16	Small Value Assets				-				-	-	-
	Total (A)	5481,72,270	899,98,255	7,35,000	6374,35,525	3341,69,085	299,92,182	1,10,425	3640,50,842	2733,84,683	2140,03,185
17	Capital Work inProgress(B)	1428,56,405	104,35,000	658,44,310	874,47,095					874,47,095	1428,56,405
	Intangible Assets				-						
18	Computer Software	115,76,556	15,31,186		131,07,742	97,34,213	13,87,136		111,21,349	19,86,393	18,42,343
19	E-Journals				-						
20	Patents				-						
	Total (C)	115,76,556	15,31,186	-	131,07,742	97,34,213	13,87,136		111,21,349	19,86,393	18,42,343
	Grand Total (A + B + C)	7026,05,231	1019,64,441	665,79,310	7379,90,362	3439,03,297	313,79,318	1,10,425	3751,72,190	3628,18,171	3587,01,933
<p>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.</p>											

SCHEDULE - 5: INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS

Amount in Rupees			
Sl. No.	Particulars	Current Year	Previous Year
1	In Central Government Securities		
2	In State Government Securities		
3	Other approved Securities		
4	Shares		
5	Debentures and Bonds		
6	Term Deposits with Banks(Schedule 5A)	52,58,730	39,75,929
7	Others (to be specified)		
Total		52,58,730	39,75,929

SCHEDULE - 6: INVESTMENTS – OTHERS

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

SCHEDULE - 7 : CURRENT ASSETS

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		-
	* In Term Deposit Accounts	5871,42,582	5776,01,636
	* In Savings Account	804,62,308	112,72,024
	b) With Non-Scheduled Bank		
	* In Term Deposit Accounts		
	* In Savings Account		
4	Cash in Hand	25,000	
	Total	6676,29,890	5888,73,660

Note

Annexure A shows the details of Bank Account

SCHEDULE - 8 : LOANS, ADVANCES & DEPOSITS

Sl. No.	Particulars	Amount in Rupees	
		Current Year	Previous Year
1	Advances to employees: (Non-interest bearing)		
	a) Salary		
	b) Medical Advance		
	c) Other (to be specified)		
2	Long-Term Advances to employees: (Interest bearing)		
	a) Vehicle Loan(Motor/Scooter Advance)		
	b) Home Loan	20,46,131	22,88,578
	c) Other (Computer Advance)	90,900	86,300
3	Advances and other amounts recoverable in cash or in kind or for value to be received)		
	a) On Capital Account		
	b) To Suppliers	30,04,608	112,66,008
	c) Others	12,30,041	29,72,833
4	Prepaid Expenses		
	a) Insurance	93,606	
	b) Other Expenses		
5	Deposits		
	a) Telephone		
	b) Lease Rent		
	c) Electricity		
	d) AICTE, if applicable		
	e) Others (to be specified)	98,532	82,532
6	Income Accrued		
	a) On Investments from Earmarked/Endowment Funds		
	b) On Investments - Others	267,03,617	273,44,184
	c) On Loans and Advances	5,09,973	4,72,747
	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	600,00,000	75,10,000
	Total	937,77,408	520,23,182

Note : 1. If revolving funds have been created for House Building, Computer and Vehicle advances to employees, the advances will appear as part of Earmarked/Endowment Funds. The balance against these interest-bearing advances will not appear in this schedule.

SCHEDULE - 9 : ACADEMIC RECEIPTS

Amount in Rupees

Sl. No.	Particulars	Current Year	Previous Year
FEES FROM STUDENTS			
1	Tuition Fee(Course fees)	31,07,750	12,04,500
	i) M.Tech. Course fees	39,92,200	49,94,925
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)	70,99,950	61,99,425
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)		-
2	Registration Fees (Academic Staff College)		
	Total (E)	-	-
GRAND TOTAL (A+B+C+D+E)		70,99,950	61,99,425

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)

Amount in Rupees

Particulars	Plan		Total Plan	Non Plan UGC (MHRD) (OH-31)	Non Plan UGC (MHRD) (OH-36)	Non Plan UGC (MHRD) (OH-31-NER)	Current Year Total	Previous Year total	
	Govt. of India(OH-35)	UGC							
		Plan							Specific Schemes
Balance B/F									
Add: Receipts during the year									
i) Plan Recurring (General)(OH-31)				1075,00,000			1075,00,000	637,25,000	
ii) Plan Recurring (SC)(OH-31)				70,00,000			70,00,000	40,75,000	
iii) Plan Recurring (ST)(OH-31)				30,00,000			30,00,000	17,00,000	
iv) Non Plan Recurring (Salary)(OH-36)					1655,00,000		1655,00,000	1025,00,000	
iv) Non Plan Recurring (Salary)(SC)(OH-36)					96,67,000		96,67,000	35,00,000	
iv) Non Plan Recurring (Salary)(ST)(OH-36)					48,33,000		48,33,000	15,00,000	
vii) Plan Recurring (General)(NER)							-	-	
viii) Plan Recurring (ST)(NER)							-	-	
IX) Capital(OH-35)	495,00,000						-	227,00,000	
IX) Capital(OH-35-SC)	20,00,000						-	51,00,000	
IX) Capital(OH-35-ST)	10,00,000						-	22,00,000	
Total	525,00,000			525,00,000	1175,00,000	1800,00,000	2975,00,000	2070,00,000	
Less: Refund to UGC									
Balance									
Less: Utilised for Capital expenditure (A)	353,85,131			353,85,131					
Balance	171,14,869			171,14,869					
Less: Utilized for Revenue Expenditure (B)					1109,28,701	1163,80,144	55,42,615	2328,51,460	
Balance C/F (C)	171,14,869			171,14,869	65,71,299	636,19,856	(55,42,615)	646,48,540	
								(626,01,284)	

- 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

Sl. No.	Particulars	Earmarked / Endowment Funds		Amount in Rupees 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	5,81,220	3,02,555	166,55,557	335,18,265
	ii) Interest on Term Deposits (NER)			52,41,312	58,16,223
3	Income accrued but not due on Term Deposits/ Interest bearing advances to employees				
4	Interest on Savings Bank Accounts	1,23,496			
5	Others (specify)				
TOTAL		7,04,716	3,02,555	218,96,869	393,34,488
Transferred to Earmarked/Endowment Funds					
Balance		Nil	Nil		

Note: Interest accrued but not due on Term Deposits from HBA fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving fund (EMP) for such advances have been set up.

SCHEDULE - 12 : INTEREST EARNED

Sl. No.	Particulars	Amount in Rupees	
		Current Year	Previous Year
1	On Savings Accounts with Scheduled Banks	2,14,945	11,92,629
2	On Loans		
	a) Employees/Staff		
	i) Interest on House Building Advance	1,85,287	77,529
	ii) Interest on Computer Advance	9,925	6,521
	iii) Interest on Motor Cycle Advance		
	b) Others		
	Total	1,95,212	84,050
3	On Debtors and Other Receivables		
TOTAL		4,10,157	12,76,679

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

Sl. No.	Particulars	Current Year			Previous Year
		Capital	Corpus	Total	
A.	Income from Land & Buildings				
1	Hostel Room Rent/Accommodation Charges	9,57,133		9,57,133	12,63,473
2	License Fee		3,06,510	3,06,510	1,65,954
3	Hire Charge of Auditorium/Play Ground/Convention Centre, etc.			-	
4	Electricity Charges Recovered	3,37,204		3,37,204	
5	Water Charges recovered	7,81,041		7,81,041	
	Total	20,75,378	3,06,510	23,81,888	14,29,427
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)		1,11,660	1,11,660	21,000
2	RTI fees			-	
3	Income from Royalty		-	-	1,126
4	Sale of application form		95,500	95,500	1,42,000
5	Misc. receipts (sale of Tender Form, Waste paper etc.)		8,000	8,000	11,000
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	4,49,112		4,49,112	3,83,520
	ii) Meter Rent	4,150		4,150	4,200
	iii) Misc. Receipt		6,41,390	6,41,390	1,17,050
	iv) QIP (PhD)		6,000	6,000	
8b	i) Gratuity Contribution			-	2,70,465
	ii) Leave Salary Contribution			-	6,57,897
	iii) Pension Contribution			-	3,82,626
	Total	4,53,262	8,62,550	13,15,812	19,90,884
	GRAND TOTAL (A+B+C+D)	25,28,640	11,69,060	36,97,700	34,20,311

SCHEDULE 14: PRIOR PERIOD INCOME

		Amount in Rupees					
	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
1	Academic Receipts						
2	Income from Investment						
3	Interest earned						
4	Other Income(Liability written back)		-	-			
	Total		-	-			

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

		Amount in Rupees					
	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
a)	Salaries and Wages						
	i) Salary to Teaching Staff	659,52,744		659,52,744	656,67,866		656,67,866
	ii) Salary to Non-Teaching Staff	467,51,927		467,51,927	446,04,825		446,04,825
b)	Allowance and Bonus			-			-
	i) Encashment of Leave(LTC)	5,95,112		5,95,112	9,98,681		9,98,681
	ii) Professional Development Allowances	7,11,351		7,11,351	7,36,985		7,36,985
c)	LTC facility	3,97,566		3,97,566	10,89,101		10,89,101
d)	Medical facility	14,38,115		14,38,115	14,82,198		14,82,198
e)	Children Education Allowance	5,33,329		5,33,329	5,57,664		5,57,664
	Total	1163,80,144	-	1163,80,144	1151,37,320	-	1151,37,320
f)	Contribution to Provident Fund		9,54,995	9,54,995			-
g)	Contribution to Other Fund (NPS)		36,35,255	36,35,255		22,15,355	22,15,355
h)	Retirement and Terminal Benefits			-			
	i) Leave Encashment		10,77,100	10,77,100		29,77,801	29,77,801
	ii) Commuted value of Pension		37,41,183	37,41,183		84,90,778	84,90,778
	iii) Retirement Gratuity		27,08,560	27,08,560		32,44,462	32,44,462
	iv) Leave Salary Contribution		2,81,208	2,81,208		8,56,769	8,56,769
i)	Teaching Assistant		1,49,677	1,49,677			-
j)	Others (specify)			-			-
	i) Pension		398,90,613	398,90,613		529,65,990	529,65,990
	ii) Pension Contribution		4,05,112	4,05,112		8,73,612	8,73,612
	iii) Part time Medical Officer(PTMO)		30,000	30,000			
	Total	-	528,73,703	528,73,703		716,24,767	716,24,767
	Grand Total	1163,80,144	528,73,703	1692,53,847	1151,37,320	716,24,767	1867,62,087

SCHEDULE 16: ACADEMIC EXPENSES

Amount in Rupees

	Particulars	Current Year				Previous Year		
		OH-36	Corpus	OH-31	Total	OH-36	OH-31	Total
a)	Laboratory Expenses				-			-
b)	Field Work/Participation in Conferences				-			-
c)	Expenses on Seminars/Workshops				-	38,525	38,525	
d)	Payment to Visiting Faculty(Expert Exp.)		2,87,051		2,87,051	3,69,712	3,69,712	
e)	Examination				-			-
f)	Student Welfare Exp.(Medical Insurance to trainees)		1,09,980		1,09,980	1,58,000	1,58,000	
g)	Admission Expenses				-			-
h)	Convocation Expenses				-			-
i)	Publications				-			-
j)	Stipend/Means-cum-merit Scholarship				-			-
k)	Subscription Expenses(UGC for Deemed Unitercity)		15,00,000		15,00,000			-
l)	Others (specify)				-			-
	i) Teaching Staff (Contractual)				-	6,58,538	6,58,538	
	ii) In-house Training Programme			10,95,082	10,95,082	25,19,201	25,19,201	
	iii) Short Term Training Programme			102,53,646	102,53,646	82,51,269	82,51,269	
	v) Curriculum Development				-	20,814	20,814	
	vi) M.Tech. Course fees(MAKAUT)		2,92,605		2,92,605	2,58,600	2,58,600	
	TOTAL	-	21,89,636	113,48,728	135,38,364	-	122,74,659	122,74,659
.1)	Expenses on Seminars/Workshops							
	i) Expenses on Workshop(NER)			19,10,910	19,10,910	55,97,777	55,97,777	
	ii) Short Term Training Programme(NER)			29,56,180	29,56,180	22,91,301	22,91,301	
	iii) Curriculum Development(NER)			1,69,677	1,69,677	37,461	37,461	
	TOTAL	-		50,36,767	50,36,767	-	79,26,539	79,26,539
	GRAND TOTAL	-	21,89,636	163,85,495	185,75,131	-	202,01,198	202,01,198

SCHEDULE 17: ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
A.	Infrastructure						
	a) Electricity and Power		60,65,566	60,65,566		73,35,384	73,35,384
	b) Water Charges		2,48,616	2,48,616		2,60,059	2,60,059
	c) Insurance			-			
	d) Rent, Rates and Taxes (including property tax)		9,28,226	9,28,226			-
B.	Communication						
	a) Printing and Stationary (consumption)		2,24,304	2,24,304		5,04,119	5,04,119
	b) Travelling and Conveyance Expenses		8,38,127	8,38,127		8,94,396	8,94,396
	c) Hospitality			-			
	d) Auditors Remuneration		3,66,030	3,66,030		3,92,420	3,92,420
	e) Professional Charges(Expert Expenses)			-			-
	f) Advertisement and Publicity		3,56,174	3,56,174		4,43,225	4,43,225
	g) Magazines & Journals		74,231	74,231		45,735	45,735
C.	h)1. Others (specify)As per Sub-Schedule 17C (n)	-	199,98,294	199,98,294	-	181,08,883	181,08,883
	Total	-	290,99,568	290,99,568	-	279,84,221	279,84,221
	2. Others (specify)As per Sub-Schedule 17C (n)(NER)	-	5,05,848	5,05,848	-	9,29,410	9,29,410
	Total	-	296,05,416	296,05,416	-	289,13,631	289,13,631

SUB-SCHEDULE 17C (h) Others

A	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
i)	Consultant Fees		5,73,135	5,73,135		6,53,969	6,53,969
ii)	Consultant Fees(BBSR)		3,09,194	3,09,194		2,05,807	2,05,807
iii)	Legal Expenses		1,79,910	1,79,910		6,200	6,200
iv)	Postage & Telegraph		1,52,372	1,52,372		1,58,124	1,58,124
v)	Telephone and Broadband		2,24,720	2,24,720		2,26,715	2,26,715
vi)	Contractual Staff		92,64,097	92,64,097		81,03,979	81,03,979
vii)	Staff Development		5,65,824	5,65,824		21,360	21,360
viii)	Internal Audit Fees		4,08,280	4,08,280		3,77,600	3,77,600
ix)	Security Guard		20,96,545	20,96,545		21,26,724	21,26,724
x)	Annual Event & Similar Expenses(sports)		53,529	53,529		85,705	85,705
xi)	Hostel Expenses		24,03,717	24,03,717		23,23,652	23,23,652
xii)	Misc. Working Expenses		18,60,151	18,60,151		16,45,283	16,45,283
xiii)	Misc. Working Expenses(BBSR)		43,652	43,652		32,925	
xiv)	Office Books		14,007	14,007		3,814	3,814
xv)	Consumable Materials		16,53,020	16,53,020		21,34,227	21,34,227
xvi)	Misc. Office Contingencies		2,491	2,491		2,799	2,799
xvii)	Income Tax (Assessed)		1,93,650	1,93,650			
	TOTAL	-	199,98,294	199,98,294	-	181,08,883	181,08,883
B	NER EXPENSES						
xviii)	Consultant Fees(NER)		90,323	90,323		2,77,926	2,77,926
xix)	Contractual Staff(NER)		1,48,539	1,48,539		1,58,452	1,58,452
xx)	misc. working Expenses(NER)		2,21,986	2,21,986		4,93,032	4,93,032
xxi)	Electric Rent(NER)		45,000	45,000			-
	TOTAL	-	5,05,848	5,05,848	-	9,29,410	9,29,410
	GRAND TOTAL (A+B)	-	205,04,142	205,04,142	-	190,38,293	190,38,293

SCHEDULE 18: TRANSPORTATION EXPENSES

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	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	-	2,83,302	2,83,302	-	6,31,035	6,31,035
3	Vehicle (Taxi) hiring expenses						
	Total	-	2,83,302	2,83,302	-	6,31,035	6,31,035

SCHEDULE 19: REPAIRS & MAINTENANCE

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	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(Campus Development)		41,96,357	41,96,357			
k)	Estate Maintenance (Operation & Maint.)		129,10,578	129,10,578	-	30,21,787	30,21,787
l)	Others (specify)						
	Total	-	171,06,935	171,06,935	-	30,21,787	30,21,787

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

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
a)	Bank Charges		54,465	54,465		19,830	19,830
b)	Others (specify)						
	Total		54,465	54,465		19,830	19,830

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 21: OTHER EXPENSES

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
a)	Provision for Bad and Doubtful Debts/Advances						
b)	Irrecoverable Balance Written - off						
c)	Grants/Subsidies to other Institutions / Organizations						
d)	Others (specify)						
	Total		-	-	-	-	-

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 22: PRIOR PERIOD EXPENSES

Amount in Rupees

	Particulars	Current Year			Previous Year		
		OH-36	OH-31	Total	OH-36	OH-31	Total
1	Establishment Expenses						
2	Academic Expenses						
3	Administrative Expenses						
	i) Stationery & Printing		1,62,000	1,62,000			
4	Transportation Expenses						
5	Repairs & Maintenance						
6	Others Expenses						
	i) Pension Contribution	-		-	-	51,716	51,716
	ii) Course fee/others						
	iii) Library Books						
	Total	-	1,62,000	1,62,000	-	51,716	51,716

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2020

Amount in Rupees

RECEIPTS		Current year	Previous year	PAYMENTS		Current year	Previous year
I.	Opening balances			I.	Expenses		
a)	Cash Balance	-		a)	Establishment Expenses	1685,15,002	1860,60,960
b)	Bank balances			b)	Academic Expenses	171,09,379	189,34,819
i)	In Current account			c)	Administrative Expenses	356,26,411	289,88,252
ii)	In Savings account	(39,70,650)	29,31,073	d)	Transportation Expenses	4,60,019	5,16,711
iii)	In deposit account			e)	Repairs & Maintenance	121,63,274	29,00,802
				f)	Prior period expenses	1,62,000	51,716
II.	Grants Received			II.	Payments against armarked/ Endowment Funds		
a)	From Government of India		4780,65,000			27,99,555	33,16,365
i)	Grant-in-aid Capital(OH-35-Main)	525,00,000					
ii)	Grant-in-aid Capiral(NER-OH-35)	-					
iii)	Grant-in-aid(OH-31)(Main)	1175,00,000					
iv)	Grant-in-aid(OH-31)(NER)	-					
v)	Grant-in-aid(OH-36)(Main)	1200,00,000					
vi)	Grant Receivable (OH-31)	3,75,000					
vii)	Grant Receivable (OH-35-Capital)	43,85,000					
viii)	Grant Receivable(OH-36)	27,50,000					
b)	From State Government						
c)	From other sources(details) (Grants for capital & revenue exp./ to be shown seperately if available)						
III.	Academic Receipts	71,05,950	62,02,625	III.	Payments against Sponsored Projects/Schemes		
IV.	Receipts against Earmarked/ Endowment Funds	18,17,980	29,17,346	IV.	Payments against Sponsored Fellowships/Scholarships		

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2020

RECEIPTS		Current year	Previous yr.	PAYMENTS		Previous yr.	RECEIPTS
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	9801,23,978	8131,91,829
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	740,45,189	60,60,211
					b) Capital Works-in-progress	104,35,000	461,00,340
VIII	Interest received on			VIII	Other Payments including		
	a) Bank Deposits	368,42,290	159,35,909		Statutory payments	182,09,374	195,19,348
	b) Loans and Advances	1,57,986	90,120				
	c) Savings Bank Accounts	6,89,578	16,95,666				
IX.	Investments encashed			IX.	Refunds of Grants		
X.	Term Deposits with Scheduled Banks encashed	9696,33,033	5977,45,278	X.	Deposits and Advances	108,42,070	192,84,908
XI.	Other Income(including peior period income)	33,57,010	26,23,283	XI.	Other Payments	275,82,620	221,52,206
XII	Deposits and Advances	788,60,627	120,79,499	XII	Closing balances		
				a)	Cash in hand	25,000	-
XIII.	Miscellaneous Receipts including			b)	Bank balances		
	Statutory Receipts	460,89,623	417,29,741		In Current account	-	
XIV.	Any Other Receipts	4,67,752	10,92,277		In Savings account	804,62,308	(39,70,650)
					In deposit account		
		14385,61,179	11631,07,81 7			14385,61,17 9	11631,07,81 7

**PROVIDENT FUND ACCOUNT
BALANCE SHEET AS AT MARCH 31, 2020**

		Amount in Rupees			
Amount 31/Mar/19	Liabilities	Amount 31/Mar/20	Amount 31/Mar/19	Assets	Amount 31/Mar/20
	GPF		95,947,306	Investment	112,355,420
90,280,557	Opening Balance	102,841,483	2,619,077	Int. accrued as on 31/03/20	6,447,069
-	Less: Subscription adjustment			Subscription Due for March, 2020	
14,240,900	Add: Subscription in the Year	15,793,800		GPF	
-	Add: Recovery of GPF Advance		1,141,700	GPF Advance	1,248,050
	Add: Sub for March 2020			CPF	
7,206,142	Add: Interest Credited	8,453,202		UC due to CPF	
8,886,116	Less: Advance/withdrawal	6,248,592		NPS-II	
102,841,483	Closing Balance	120,839,893		Receivable from Main Account	954,995
	<u>CPF</u>			Tax recovered from interest on Investments Pending refund from Income Tax Department	
	Opening Balance			<u>Cash at Bank</u>	
	Less: Sub. For March 2019		3,429,046	SBI, Branch-I	746
	Add: Subscription in the Year			SBI, Branch-II	
	Add: Sub. For March 2020			Cash in hand	
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				
	Univercsity Contribution (CPF)				
	Opening Balance				
	Less: Contribution for March 2019				
	Add: Subscription in the Year				
	Add: Contribution for March 2020				
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				
	<u>NPS Tier-II Account</u>				
	Opening Balance				
	Less: Sub. For March 2019				
	Add: Subscription in the Year				
	Add: Sub. For March 2020				
	Add: Interest Credited				
	Less: Advance/withdrawal				
	Closing Balance				
	<u>Interest Reserve</u>				
2,174,421	Opening Blance	129,259			
-	Add, subscription adjustment				
	Add, Excess of Income over Expenditure				
2,045,162	Less, Excess of Expenditure over Income	129,259			
129,259	Closing Balance	-			
166,387	Cheque Cancellation	166,387			
103,137,129	Total	121,006,280	103,137,129	Total	121,006,280

PROVIDENT FUND ACCOUNT
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2020

Amount in Rupees

Amount 31/Mar/19	Expenditure	Amount 31/Mar/20	Amount 31/Mar/19	Income	Amount 31/Mar/20
	Interest Credited to :				
7,206,142	GPF Account	8,453,202		Interest earned on Investment	
	CPF Account		5,078,398	Add: Interest accrued on 31/3/20	7,270,059
	University Contribution (CPF)		81,067	Add, Interest on savings account	98,948
	NPS Tier-II Account		1,515	Add: Interest on Subscription	
	Bank Charges	59		Add, Interest shortfall receivable	973,582
	Excess of Income over Expenditure	-		Less: Interest accrued for March-20	
			2,045,162	Excess of Expenditure over Income	110,672
7,206,142	Total	8,453,261	7,206,142	Total	8,453,261

PROVIDENT FUND ACCOUNT
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2019-20

Amount in Rupees

Amount 31/Mar/19	Receipts	Amount 31/Mar/20	Amount 31/Mar/19	Payments	Amount 31/Mar/20
	Opening Balance as on 1/4/19		8,785,166	GPF Adv./Withdrawal	7,533,592
341,544	SBI, Branch-I	3,429,046	1,077,500	CPF Adv./Withdrawal	
	SBI, Branch-II			NPS Tier-II	
14,240,900	GPF Subscription	15,793,800		University Contribution Withdrawal	
362,250	GPF Adv./Withdrawal	1,178,650			
	CPF Subscription			Bank Charges	59
	CPF University Contribution		7,500,000	Investment during the year	18,290,000
	NPS Tier-II Account				
5,363,353	Investment Encashed	5,186,058			
	Interest Received				
213,880	Accrued intt. On investment	68,948			
184,744	Intt. On investment SBI				
2,459	Intt. On investment HUDCO	68,947		Closing Balance:-	
81,067	Intt. On Savings Bank SBI	98,948	3,429,046	SBI, Branch-I	746
1,515	Interest on Subscription			SBI, Branch-II	
20,791,712	Total	25,824,397	20,791,712	Total	25,824,397

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	<i>Method(s) of depreciation</i>	<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 style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fixed Assets</th> <th style="text-align: right;">Rate of Depreciation</th> </tr> </thead> <tbody> <tr><td>Residential Building</td><td style="text-align: right;">2%</td></tr> <tr><td>Office Building</td><td style="text-align: right;">2%</td></tr> <tr><td>Hostel Building</td><td style="text-align: right;">2%</td></tr> <tr><td>Plant & Machinery</td><td style="text-align: right;">5%</td></tr> <tr><td>Furniture & Fixtures</td><td style="text-align: right;">7.5%</td></tr> <tr><td>Computer & Peripherals</td><td style="text-align: right;">20%</td></tr> <tr><td>Library Books and Scientific Journals</td><td style="text-align: right;">10%</td></tr> <tr><td>Electric Installation and Equipment</td><td style="text-align: right;">5%</td></tr> <tr><td>Audio visual Equipment</td><td style="text-align: right;">7.5%</td></tr> <tr><td>Office Equipment</td><td style="text-align: right;">7.5%</td></tr> <tr><td>Scientific and Laboratory Equipment</td><td style="text-align: right;">8%</td></tr> <tr><td>Tube Wells and Water Supply</td><td style="text-align: right;">2%</td></tr> <tr><td>Computer Software</td><td style="text-align: right;">40%</td></tr> <tr><td>Office vehicles</td><td style="text-align: right;">10%</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> <p>As per New Format of Financial Statements for Central Higher Educational Institutions issued by the MHRD, the method of Depreciation of Fixed Assets were changed from WDV to Straight Line method from the year 2014-15.</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%	Office vehicles	10%
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Computer Software	40%																															
Office vehicles	10%																															

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.
l	<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.874.47 Lacs as on 31.03.2020
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>	<ul style="list-style-type: none"> ➤ Capital Fund stands as accumulated balance of Government Grants. ➤ Corpus Fund has been created during the year from Internally generated revenue of previous years and current year. ➤ 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.18,96,440 \$ 1,23,000 Rs. 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.410.24 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:</i> STTP- 20,896 M.Tech - 64 (1ST and 2ND year) ii. <i>Number of teachers:</i> 32 and Director iii. <i>Collection on account of building fund and expenditure thereof:</i> Nil iv. <i>Collection for sports activities and expenditure thereof:</i> Nil v. <i>Collection for co-curricular activities and expenditure thereof:</i> Nil vi. <i>Collection on account of development charges and expenditure thereon:</i> Nil vii. <i>Collection for medical expenses and expenditure thereon:</i> Nil viii. <i>Compliance with statutory dues like EPF and ESI:</i> Complied with. ix. <i>Salary structure of teachers :</i> As per UGC guidelines 	
2b	Number of Library Books in hand as on 31.03.2020 (previous year 24,214)	24,222
3	<i>Related Party Disclosures</i> <i>As per Accounting standard (AS) 18, Related Party Disclosures, issued by the Institute of Chartered Accountants of India.:</i> <ul style="list-style-type: none"> i. <i>The transaction between the educational institution and the trust or society managing the educational institution.</i> ii. <i>Transaction between the educational institution and the trustees or the members of the governing body of the educational Institution.</i> iii. <i>Transaction between the educational institution and the author of the trust or the 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 key 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

List of Abbreviation

<i>AICTE</i>	<i>All India Council for Technical Education</i>
<i>ASEAN</i>	<i>The Association of South East Asian Nations</i>
<i>CAD</i>	<i>Computer-Aided Design</i>
<i>CAM</i>	<i>Computer Aided Manufacturing</i>
<i>CE</i>	<i>Civil Engineering</i>
<i>CPWD</i>	<i>Central Public Works Department</i>
<i>CSE</i>	<i>Computer Science & Engineering</i>
<i>DST</i>	<i>Department of Science and Technology</i>
<i>E&M</i>	<i>Education and Management</i>
<i>EE</i>	<i>Electrical Engineering</i>
<i>FIC</i>	<i>Faculty-In-Charge</i>
<i>GOI</i>	<i>Government of India</i>
<i>MHRD</i>	<i>Ministry of Human Resource Development</i>
<i>ICT Mode</i>	<i>Information and Communication Technologies</i>
<i>IFL</i>	<i>Institute of Future Learning</i>
<i>IIT</i>	<i>Indian Institute of Technology</i>
<i>ME</i>	<i>Mechanical Engineering</i>
<i>NBA</i>	<i>National Board of Accreditation</i>
<i>OBC</i>	<i>Other Backward Classes</i>
<i>PWD</i>	<i>Persons with Disabilities</i>
<i>QIP</i>	<i>Quality Improvement Project</i>
<i>UTES</i>	<i>Rail India Technical and Economic Service</i>
<i>SAARC</i>	<i>South Asian Association for Regional Cooperation</i>
<i>SC</i>	<i>Scheduled Castes</i>
<i>ST</i>	<i>Scheduled Tribes</i>
<i>STTP</i>	<i>Short Term Training Programme</i>
<i>UNESCO</i>	<i>The United Nations Educational, Scientific and Cultural Organization</i>



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

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

CONFIDENTIAL

No: OA II (AB)/AR/2019-20/NITTTR/220

Date: 04.02.21

A copy of the Separate Audit Report, alongwith Annexure, on the accounts of the **National Institute of Technical Teachers' Training and Research, Kolkata**, for the financial year 2019-20, is forwarded to the **Director, National Institute of Technical Teachers' Training and Research, Kolkata-700106**, for information and necessary action.

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

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

Two copies of the printed Annual Report, for the financial year 2019-20 (both English and Hindi Version), containing the Audited Accounts and the Separate Audit Report, along with Annexure, as laid before the Parliament, may please be forwarded to this Office, for necessary action at this end.

Encl.: As stated

Dy. Director (Inspection)

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

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technical Teachers' Training and Research, Kolkata, for the financial year ended 31 March 2020

We have audited the attached Balance Sheet of National Institute of Technical Teachers' Training and Research, Kolkata, as at 31 March 2020, the Income and Expenditure Account and Receipts and Payments Account, for the year ended on that date, under Section 20(1) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971. The audit has been entrusted for the period upto the financial year 2022-23. These financial statements include the accounts of two Extension Centres of the Institute. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements, based on our audit.

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

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

4. Based on our audit, we report that:

- i. We have obtained all the information and explanations, which, to the best of our knowledge and belief, were necessary for the purpose of our audit;
- ii. The Balance Sheet and Income and Expenditure Account/Receipts and Payments Account, dealt with in this report, have been drawn up in the format prescribed by the Ministry of Education (erstwhile Ministry of Human Resource Development), Government of India vide order No. 29-4/2012-FD dated 17 April 2015.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata, as required under the rules and regulations of the Institute, insofar as it appears from our examination of books.
- iv. We further report that:

Comments on Accounts

A. Balance Sheet

1.1 Assets

1.1.1 Fixed Assets (Schedule 4): ₹36.26 crore

Building:

The above head was understated by ₹1.04 crore, due to non-inclusion of 'Civil Works', valuing ₹1.04 crore, completed and handed over during the financial year 2019-20. The Capital WIP was overstated by ₹0.89 crore, being the value of completed work not transferred to the 'Building' head. Further there was understatement of the 'Current Liabilities & Provisions' (Schedule-3) by ₹0.15 crore, due to non-consideration of liability of the same amount towards dues payable to the CPWD. Moreover, depreciation of ₹2.08 lakh (2% of ₹1.04 crore) was not charged under the head 'Building', resulting in overstatement of the 'Building' and 'Capital Fund' by ₹2.08 lakh.

1.1.2 Loans, Advances & Deposits (Schedule -8): ₹9.38 crore

a) The above head was understated by ₹1.05 lakh, due to treating of maintenance charges for the period April 2020 to July 2020 as current expenditure, instead of treating them as

prepaid expenditure. This also resulted in overstatement of 'Repair & Maintenance Charges' (Schedule-19), by the said amount.

b) The above head was understated by ₹0.81 crore, as the Advance paid to the CPWD, for six 'Capital Works', against which no expenditure was incurred or utilization statement received from CPWD, was booked under the head 'Capital WIP'. Consequently, the 'Capital WIP' was also overstated by ₹0.81 crore.

B. General

2.1 Despite mention in the previous years' Audit Report, no provisions for retirement benefits, such as gratuity, pension and leave encashment, were made on 'actuarial valuation' basis, in contravention of Accounting Standard-15.

C. Grants-in-Aid

The Institute is mainly financed by grants from the Government of India. At the end of the financial year 2018-19, it had an unspent balance of ₹36.32 crore, including NER grants of ₹7.63 crore. During the financial year 2019-20, it received grants of ₹35.00 crore (Creation of Capital Assets: ₹5.25 crore, General: ₹11.75 crore and Salaries: ₹18.00 crore) and earned interest of ₹2.19 crore.

Out of the total available grants of ₹73.51 crore (including the unspent balance of the financial year 2018-19), it utilized grants of ₹26.82 crore (Creation of Capital Assets: ₹3.54 crore, General: ₹11.09 crore, Salaries: ₹11.64 crore and NER: ₹0.55 crore), leaving an unspent balance of ₹46.69 crore, including NER grants of ₹7.08 crore.

D. Net Effect

The net impact of the comments given in the preceding paragraphs is that the Liabilities and Assets of the Institute were understated by ₹0.14 crore, as at 31 March 2020.

E. Management Letter

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


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

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

- a. insofar as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technical Teachers' Training and Research, Kolkata, as at 31 March 2020, and
- b. insofar as it relates to Income and Expenditure Account of the surplus, for the year ended on that date.

For and on behalf of the C&AG of India

Place:-Kolkata
Date:- 04.02.2021


(Deepak Narain)
Director General of Audit
Central :: Kolkata

Annexure**A. Adequacy of the Internal Audit System**

The internal Audit System is inadequate, as there is no Internal Audit wing/sanctioned post for Internal Auditor in the Institute. The internal Audit of the Institute for the financial year 2019-20, was, however, conducted by engaging a Chartered Accountant Firm.

B. Adequacy of the Internal Control System

The internal control system is inadequate in the following areas:

- i. Security Deposits/Fidelity guarantees were not obtained, in respect of employees handling valuables such as cash and stocks.
- ii. The heads of account of the Institute were not coded.
- iii. Cheque protectors were not used.
- iv. All suppliers' invoices were not routed through the account department. They were also not entered in the bill register before being submitted to other departments for check or approval.
- v. Bank Confirmation of the Fixed Deposits was not taken from the bank, before preparation of Accounts.

C System of Physical Verification of Fixed Assets

The Institute conducted physical verification of its Fixed Assets for the financial year 2019-20.

D Regularity in payment of Statutory Dues:

The Institute was regular in payment of its Statutory Dues.

Joining



Dr. Chandan
Chakraborty
Professor



Dr. Sagarika Pal
Associate
Professor



Dr. Habiba
Hussain
Associate
Professor



Dr. Rayapati
Subbarao
Associate
Professor



Dr. Subrata
Mondal
Associate
Professor

Retirement



Siris Mondal
MTS

Shri Siris Mondal joined the Institute on 06/02/1990. He has retired from the Institute as MTS on 31/08/2019.



Shri Joydeb Patra
MTS

Shri Joydeb Patra joined the Institute on 06/02/1990. He has retired from the service as MTS on 30/09/2019.

Obituary



10/06/1943
29/03/2020

Shri Pralaya Kumar Ghosh joined the Institute on 21/12/1967. He was retired on superannuation from the service as Technician Grade-I on 30/06/2003.



NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA

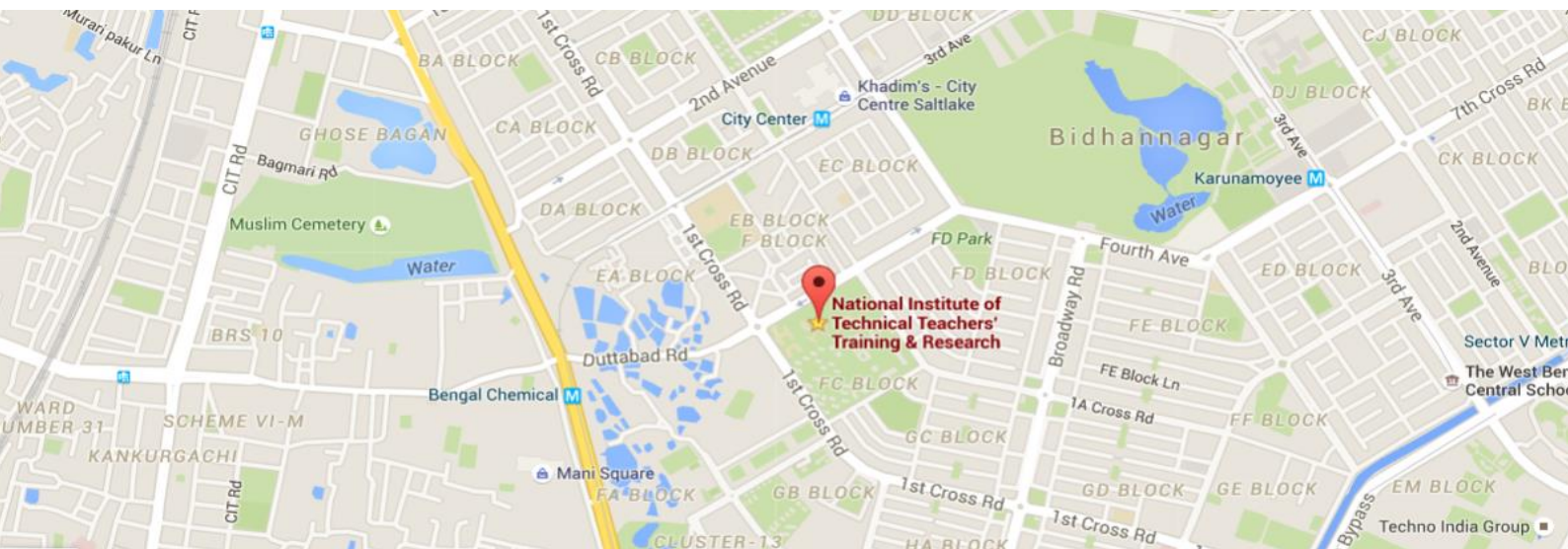
Block– FC, Sector III, Salt Lake City, Kolkata 700 106

Phone: +91-33-66251900, Email: ds@nitttrkol.ac.in

Visit us at www.nitttrkol.ac.in

How to Reach NITTR, Kolkata

The Institute is located near Labony Bus Stand (Sector-III), FC Block in Salt Lake City, Kolkata 700106 and can be reached by taxi from Netaji Subhas Chandra Bose International Airport and also from Howrah, Shalimar, Sealdah and Kolkata Railway Stations.



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/F7gssJoeqxSvffqf9>