

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

(Courses Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Ministry of Education, Government of India ,Taramani, Chennai – 600 113



MANDATORY DISCLOSURES 2022 - 2023

ANNEXURE-10

Mandatory Disclosures

File No. Southern/1-10975518070/2022/EOA

1. Name of the Institution

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

MINISTRY OF EDUCATION, GOVT OF INDIA

TARAMANI, P.O,

CHENNAI 600 113

Telephone : 044-2254 5406 /436

E-mail : directoroffice@nitttrc.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

NITTTR, Chennai Society

Director, NITTTR, Chennai - 600 113

TelePhone :044 -2254 5406/36

E-mail :director@nitttrc.ac.in

3. Name and Address of the Vice Chancellor/ Principal/Director

Prof.Dr.Usha Natesan

Director, NITTTR, Chennai - 600 113

TelePhone :044 -2254 5405 / 406

E-mail :director@nitttrc.ac.in

4. Name of the affiliating University

Anna University

Chennai, TamilNadu

5. Governance

5.1 Members of the Board and their brief background

Sl.No	Name	Position
1.	Prof. Dr. V.S.S. Kumar Former VC, JNTUK, Kaikanda Hyderabad - 500 073.	Chairman - BoG NITTTR, Chennai Society
2.	Additional Secretary/Joint Secretary (dealing with NITTTRs) Ministry of Education, Government of India, Department of Higher Education, Shastri Bhavan, New Delhi - 110 001.	Member
3.	Joint Secretary and Financial Advisor, Ministry of Education, Government of India, Department of Higher Education, Shastri Bhavan, New Delhi - 110 001.	Member
4.	Five directors of Technical Education (three from regional states and two from outside the region)	Member
5.	Shri Pradeep Menon Director, Zacco Block 2, Cellar Floor, Rathinam Technical Campus, Pollachi Mani Road, Eachanari, Coimbatore - 641021	Industrial Expert Member
6.	Dr. Neeraj Saxena Advisor - I All India Council for Technical Education 7 th Floor, Chanderlok Building Janpath, New Delhi - 110 001	AICTE - Representative Member
7.	Dr.G.Kulanthaivel Professor, EECE Head, Centre for International Affairs NITTTR, Chennai - 113	Faculty Representative NITTTR, Chennai Member
8.	Prof. Dr. Usha Natesan Director, NITTTR, Chennai	Member - Secretary

5.2 Members of Academic Advisory Body

Sl. No.	Name	Designation
1.	Prof. Usha Natesan	Chairman
2.	Dr. S. Renukadevi	Member Secretary Professor, Engineering Education Head, Centre for Academic Studies and Research
3.	Dr. S. HosiminThilagar	Professor, Dept. of EEE Director, Centre for Academic Courses, Anna University, Chennai
4.	Dr. S. Kalirajan	Head, Special Initiatives (Nuclear), Larsen & Turbo Construction, Manapakkam, Chennai
5.	Dr.Thottakurichi Iqbal	Managing Director & CEO, Tiscon WebLogic Solutions P Ltd, Chennai
6.	Er. VisweswaranJagadeesan	Territory Manager-Academic Programs, NI Systems India Private Ltd, Bengaluru
7.	Dr. C.R. Nagendra Rao	Professor & Head, Extension Centre Vijayawada
8.	Dr. E.S.M. Suresh	Professor, Civil & Environmental Engineering Head, Dept of Engineering Education
9.	Dr. G. Kulanthaivel	Professor, Electrical, Electronics and Communication Engineering Head, Centre for International Affairs (CIA)
10.	Dr. R. Santhakumar	Professor & Head, Dept of Civil & Environmental Engineering
11.	Dr. R. Rajendran	Professor & Head, Centre for Educational Management and Applied Science
12.	Dr. P. Malliga	Professor & Head, Dept. of Educational Media and Technology
13.	Dr.UmasankarSahu	Professor & Head Extension Centre Hyderabad, Telangana
14.	Er. V. Sivakumar	Assoc. Professor& Head In-Charge Extension Centre Bengaluru, Karnataka

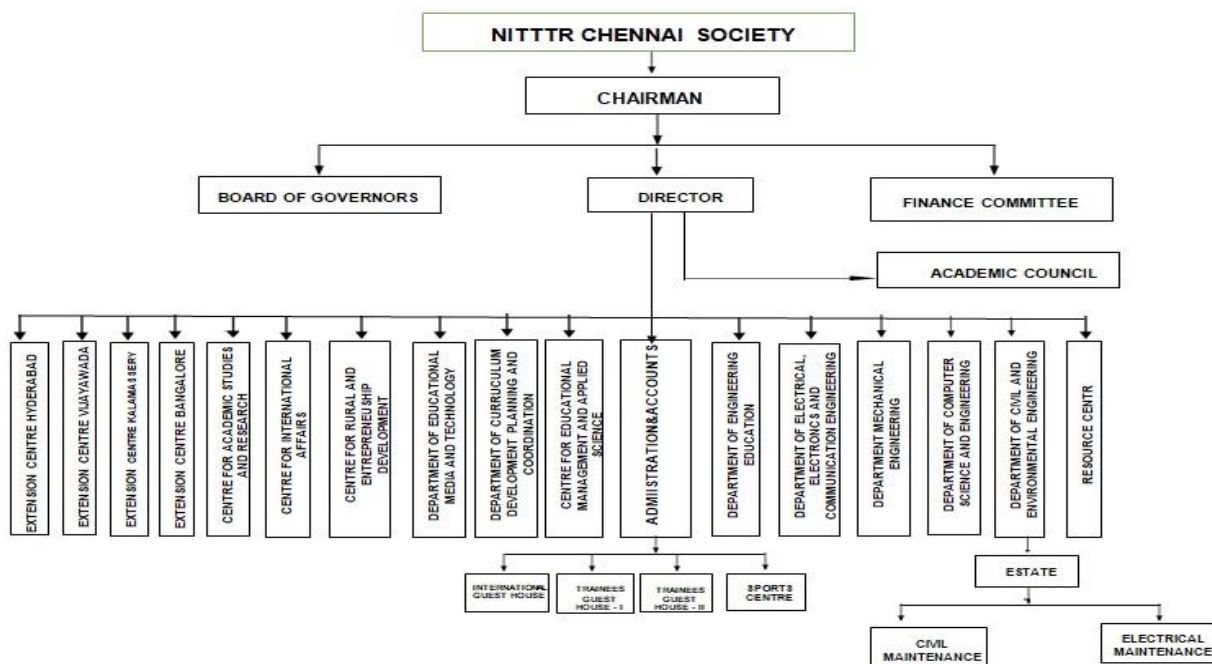
Sl. No.	Name	Designation
15.	Dr. G.A. Rathy	Professor & Head Dept. of Electrical, Electronics and Communication Engineering
16.	Dr. G. Janardhanan	Professor, Civil & Environmental Engineering Head, Centre for Curriculum Design & (CCD)
17.	Dr. V. Shanmuganeethi	Professor & Head, Dept. of Computer Science & Engg.,
18.	Dr. K.S. Giridharan	Professor, Engineering Education Head, CRED
19.	Dr. S. Somasundaram	Professor & Head, Department of Mechanical Engineering
20.	Er. M. Senthilkumar	Professor Dept. of Mechanical Engineering
21.	Dr. K.S.A. Dinesh Kumar	Professor Dept. of Civil and Environmental Engineering
22.	Dr. P. Sivasankar	Professor Dept. of Electrical, Electronics and Communication Engineering
23.	Shri. A.P. FelixArockiyaraj	Assistant Professor Department of Education Media and Technology
24.	Shri. V.A. Shamsuddin	Consultant Extension Centre, Kalamassery

5.3 Frequently of the Board Meeting and Academic Advisory Body

Board Meeting - Once in 3 months

Academic Advisory Meeting - Once in a year

5.4 Organizational chart and processes



5.5 Nature and Extent of involvement of Faculty and students in academic affairs / improvements

Class committee Meetings

5.6 Mechanism/ Norms and Procedure for democratic/ good Governance

1. Dr. V. Shanmuganeethi DCSE Professor & Head

5.7 Student Feedback on Institutional Governance/ Faculty performance

Student Feedback forms available with the Coordinators

5.8 Grievance Redressal mechanism for Faculty, staff and students

Sl.No	Name of the Members	Designation	Category
1.	Dr. S. Renukadevi	Professor	Chairman
2.	Dr.G.Kulanthaivel	Professor	Member
3.	Dr.M.Senthil Kumar	Professor	Member
4.	Dr.V.Shanmuganeethi	Professor	Member
5.	Dr.S.Rajasekar	Research Assistant	Member

5.9 Establishment of Anti Ragging Committee

Sl.No	Name of the Members	Designation	Category
1.	Mr. Ramalingam	Inspector, Taramani, Chennai	Police Department
2.	Mr. Gopalakrishnan	Tashildar, Velacherry Chennai	Revenue/Taluk/Civil Officers
3.	Smt. A.L. Ganthimathi	Advocate	Official of NGO
4.	Mr. K. Vincent	Admin Professional	Representative of Parents
5.	Twinkle Melina V J	Student	Representative of Students
6.	Shri D. Arun	Section Officer Gr.II NITTTR, Chennai	Representative of Non-Teaching
7.	Dr. S. Somasunadaram	Professor, Dept. of Mechanical Engineering	Representative of Faculty

5.10 Establishment of Online Grievance Redressal Mechanism

- Help Desk available
- Public Grievance Portal of Govt. of India

5.11 Establishment of Grievance Redressal Committee in the Institution and appointment of OMBUDSMAN by the University

Sl.No	Name of the Members	Designation	Category
1.	Dr. S. Renukadevi	Professor	Chairman

5.12 Establishment of Internal Complaint Committee (ICC)

Sl.No	Name of the Members	Designation	Category
1.	Dr. P. Malliga	Professor & Head, DEMA	Chairman
2.	Smt. A.L. Ganthimathi	Advocate, Chennai	Member
3.	Dr. R. Santhakumar	Professor & Head, DCE	Member
4.	Smt. K. Satyapriya	Section Officer Gr.II	Member

5.13 Establishment of Committee for SC/ST

Sl.No	Name of the Members	Category
1.	Dr. V. Shanmuganeethi	Nodal Officer
2.	Dr. K. S. Giridharan	Member
3.	Dr. E.S.M. Suresh	Member
4.	Dr. P. Malliga	Member
5.	Dr.G.A. Rathy	Member
6.	Dr. G. Janardhanan	Member
7.	Dr. K.S.A. DineshKumar	Member

5.14 Internal Quality Assurance Cell

1. Dr. K.S. Giridharan,
Professor, DEE,
Head, CRED

6. Programmes

6.1 Name of Programmes approved by AICTE

- M.E.(Infrastructure Engineering and Management)
- M.E (Electronics & Communication Engineering - Industry Integrated)
- M.E (Multimedia Technology)
- M.E (Energy Engineering)

6.2 Name of Programmes Accredited by NBA

- Getting Ready for Accreditation

6.3 For each Programme the following details are to be given(Preferably in Tabular form):

Name	M.E. Infrastructure Engineering and Management	M.E Electronics and Communication Engineering	M.E. E-Learning technologies
Number of Seats	18	18	18
Duration	2 YEARS	2 YEARS	2 YEARS
Cutoff Marks/ranks of admission during the last 3 years			
Fee	As approved by the state Government		
Placement Facilities	Available		
Campus Placement in the last 3 years	9 Students	N/A	N/A

7. Faculty

M.E.(Infrastructure Engineering and Management)

S.No	Description	Details
1.	Permanent Faculty	Dr.E.S.M.Suresh Dr.Santhakumar Dr.G.Janardhanan Dr.K.S.A.Dinesh Kumar Dr.S.Somasundaram
2.	Adjunct Faculty	Dr.V.ThanizhArasan (Retd.) Dr.P.Vijayaraju(Retd.)
3.	Permanent Faculty : Student Ratio	5:18
4.	Number of Faculty employed and left during the last three years	Not Applicable

M.E.(Electronics and Communication Engineering - Electronics Integrated)

S.No	Description	Details
1.	Permanent Faculty	Dr.G.Kulanthaivel Dr.G.A.Rathy Dr.P.Sivasankar
2.	Adjunct Faculty	Dr.P.Vijayaraju Mr.J.Santhanakrishnan(Guest Faculty)
3.	Permanent Faculty : Student Ratio	1:6
4.	Number of Faculty employed and left during the last three years	Nil

M.E.(Multimedia Technology)

S.No	Description	Details
1.	Permanent Faculty	Dr.S Renukadevi Dr.P.Malliga Dr.V.Shanmuganeethi Shri.A.P.FelixArockiyaraj
2.	Adjunct Faculty	Nil
3.	Permanent Faculty : Student Ratio	2:9
4.	Number of Faculty employed and left during the last three years	Nil


M.E.(Energy Engineering)

S.No	Description	Details
1.	Permanent Faculty	Dr.S.Somasundaram Dr.S.Senthilkumar
2.	Adjunct Faculty	Nil
3.	Permanent Faculty : Student Ratio	1:9
4.	Number of Faculty employed and left during the last three years	Nil

8. Profile of Vice Chancellor/ Director/ Principal/Faculty

Profile of Director, NITTTR, Chennai

S.NO	Title	Details		
1.	Name	Prof. Dr. Usha Natesan		
2.	Date of Birth	15.02.1965		
3	Unique ID	-		
4.	Education Qualifications	B.E. (Civil Engg.) M.Tech. (Remote sensing) M.S. (By Research) Environmental Engg. Ph.D. Ocean Engg. D.Litt.		
5.	Work Experience Teaching Research Industry others	Total Experience in Academics, Research and Administration : 32 years and 07 months Total Experience in Administration : 11 years and 08 months		
6.	Area of Specialization	Coastal and Ocean Engineering Environmental Engineering Remote Sensing and Geographic Information System		
7.	Courses taught at Under Graduate/ Post Graduate Level	ES771 EIA		
		GE171 Engineering Graphics		
		GE174 Computer Practice		
		ES 072 Remote Sensing for Environmental Monitoring		
		EN 077 Marine Pollution Monitoring		
		ES 071 Marine Resources Management		
		EM 682 Environmental Risk Assessment		
		EM073 Remote Sensing and GIS Applications for Environmental Managers		
		HW 9123 RS &GIS for Water Resources		
		CM9122 Coastal Engineering		
		FI 9007 Oceanography and Instrumentation		
		EN 9155 Marine Pollution and Control		
		CM 9155 Air-sea interactions		
		AI 9406 Practical Training		
AI 9303 Remote Sensing				
8.	Research guidance (Number of Students)	Degree	Completed	Ongoing
		Postdoctoral Fellows	-	02 (Under Process)
		Ph.D. Scholars	22	01
		M.S. (By Research) Scholars	04	-
		M.E./ M.Tech./ M.Sc. Students	54	-
Master (Completed/Ongoing)	Ph.D. (Completed/Ongoing)	B.E. Students	08	-
9.	Projects Carried out	Total Grants received for carrying out the Sponsored Research Projects: ₹3.4 Crores		

		<p>International : 01 International Foundation for Science (IFS), Sweden</p> <p>National : 15 Indian Space Research Organisation (ISRO), World Bank, Department of Ocean Development (DOD), Ministry of Science and Technology, Ministry of Environment and Forests (MoEF), Indira Gandhi Centre for Atomic Research (IGCAR), Atomic Energy Regulatory Board (AERB), Board of Research in Nuclear Sciences (BRNS), Ministry of Earth Science (MoES)</p> <p>Total Value of the Industrial Consultancy Works: ₹91 Lakhs</p>
10.	Patents (Filed & Granted)	Filed patent rights for Multiband Pattern Reconfigurable Antenna: A Method and Device Thereof, India, File Number: 201941031648 Dated 05.08.2019
11.	Technology Transfer	--
12.	Research Publications (No. of papers published in National/International Journals/Conferences)	<p>National and International Journals : 130</p> <p>h-index : 21</p> <p>i10-index : 43</p> <p>Citations : 2133</p> <p>International Conferences : 52</p> <p>National Conferences : 43</p>
13.	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	<p>Books : 17</p> <p>Chapter in Books : 11</p> <p>(Details enclosed as Annexure)</p>
14.	Passport Photograph	

The details of the faculty are available in the website

9. Fee

S.No.	Description	Details
1.	Details of Fee, as approved by State Fee Committee, for the Institution	As approved by the State
2.	Time schedule for payment of Fee for the entire Programme	As stated by the Affiliating University
3.	No. of Fee waivers granted with amount and name of students	Not Applicable
4.	Number of scholarship offered by the Institution, duration and amount	Not Applicable
5.	Criteria for Fee waivers/scholarship	Not Applicable
6.	Estimated cost of Boarding and Lodging in Hostels	Lodging -Rs.10,000/- Per Annum Boarding - Rs.4500/- Per month (Approx)
7.	Any other fee please specify	Nil

10. Admission

Number of Seats sanctioned and Year of Approval

S.No.	Course	Number of Seats Sanctioned	Year of Approval	Number of Students admitted under various categories in the last 3 years
1	M.E. Infrastructure Engineering & Management	18	2018	40
2.	M.E. Electronics and Communication Engineering	18	2020	2
3.	M.E. E-Learning Technologies	18	2020	Nil

S.No.	Course	Number of applications received during last two years for admission under Management Quota and number admitted
1	M.E. Infrastructure Engineering & Management	Not Applicable
2.	M.E. Electronics and Communication Engineering	
3.	M.E. E-Learning Technologies	

11. Admission Procedure

S.No.	Description	Details
1.	Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	As per the regulations of the Anna University
2.	Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)	
3.	Calendar for admission against Management/vacant seats	
4.	Last date of request for applications	
5.	Last date of submission of applications	
6.	Dates for announcing final results	
7.	Release of admission list (main list and waiting list shall be announced on the same day)	
8.	Date for acceptance by the candidate (time given shall in no case be less than 15days)	
9.	Last date for closing of admission	
10.	Starting of the Academic session	
11.	The waiting list shall be activated only on the expiry of date of main list	
12.	The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	

12. Criteria and Weightages for Admission

S.No.	Description	Details
1.	Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	As per the Regulations of the Affiliating University and the State Government
2.	Mention the minimum Level of acceptance, if any	Not Applicable
3.	Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	Not Applicable
4.	Display marks scored in Test etc. and in aggregate for all candidates who were admitted	Not Applicable

13. List of Applicants

S.No.	Description	Details
1.	List of candidates whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats.	Not Applicable
2.	List of candidates who have applied along with percentage and percentile score for Management quota seats (merit wise)	Not Applicable

14. Results of Admission Under Management seats/Vacant seats

S.No.	Description	Details
1.	Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	Not Applicable
2.	Score of the individual candidate admitted arranged in order or merit	
3.	List of candidate who have been offered admission	
4.	Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	
5.	List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	

15. Information of Infrastructure and Other Resources Available

Sl.No.	Description	Details
1.	Number of Class Rooms and size of each	14 nos. Size: 9.00m x 8.00m each,
2.	Number of Tutorial rooms and size of each	3 nos. Size: 12.00m x 8.00m each
3.	Number of Laboratories and size of each	15 nos. Size: 1. IoT and cyber Physical Sys. Lab. 106.40 sq.m 2. Embedded Sys. Prog. Lab. 60.50 sq.m 3. Power Geotronics Instruments Lab. 104.34 sq.m 4. Graphics and Animation 63.08 sq.m 5. Micro Teaching Lab. 61.56 sq.m 6. AR/VR Lab. 162.28 sq.m

		7. ABJ Studio-II 102 sq.m 8. Studio with Editing Shoot Room 448.40 sq.m 9. GIS Lab. 70.00 sq.m 10. BIM Lab. 92.87 sq.m 11. PM Lab. 60.00 sq.m 12. Material Testing Lab. 122.30 sq.m 13. Structural Engg. Lab. 113.00 sq.m 14. NDT Lab. 55.00 sq.m 15. Survey Lab. 11.60 sq.m	
4.	Number of Drawing Halls with capacity of each	1 no. 147.80 sq.m - 50	
5.	Number of Computer Centres with capacity of each	2 nos. 315.41 sq.m - Capacity 40 Nos each	
6.	Central Examination Facility, Number of rooms and capacity of each	12 nos. capacity 30 each	
7.	Online examination facility (Number of Nodes, Internet bandwidth, etc.)	3 nos. capacity 40 each	
8.	Barrier Free Built Environment for disabled and elderly persons	Yes	
9.	Occupancy Certificate	Fully Occupied	
10.	Fire and Safety Certificate	In progress	
11.	Hostel Facilities	TGH-I 63 Rooms	TGH-II 101 Rooms

15.1 Library

S.No	Description	Details	
1.	Number of Library books/ Titles/ Journals available(Programme-wise)	(a) Total library Space	1187 sq. mt.
		(b) Total No. of books available in the library	30700 Books
		(c) Total No. of Journals subscribed	: 6 Journals and 5 Magazines
			: 5 News Papers
		(d) Instrumentation facility available	: Computer Lab with 23 Systems
			Library Automation

		with RFID Facility
		<p>M.E. Infrastructure Engineering and Management Books – 715 Journals – 5 Titles (Print)</p> <p>M.E. Electronics and Communication Engineering Books – 573</p> <p>M.E. E-Learning Technology Books – 563</p> <p>1. The Indian Concrete Journal L.B. Shastri Road, Near Teen Haath Naka, Next to Eternity Mall, Thane (West) 400 604 Maharashtra, INDIA.</p> <p>2. Earthquake Engineering Practice National Information Center of Earthquake Engineering Indian Institute of Technology Kanpur 208016</p> <p>3. Springer Nature 7th Floor, Vijaya Building 17, Barakhamba Road New Delhi – 110 001</p> <p>4. Journal of Institute of Engineers: Series – A</p> <p>5. Journal of the Indian Society of RemoteSensing</p> <p>6. Indian Geotechnical Journal</p> <p>7. Current Science Indian Academy of Science C.V. Raman Avenue Post Box No. 8001 Bengaluru - 560 080, INDIA</p>
2.	List of online National/ International Journals subscribed	<p>E-Journals</p> <p>1. ASCE journals (42 titles) can be accessed from https://ascelibrary.org/</p> <p>2. Springer - can be accessed from https://link.springer.com/</p>
3.	E- Library facilities	<p>Remote access facility / mobile based library services provided to the users</p> <p>E-Books</p>

		<p>1. Springer (Engineering Collection only - 53 Titles) https://rd.springer.com/</p> <p>2. Emerald Publishing (Business, Management and Education Collections Only - 700 titles for easy reference the list is attached) https://www.emerald.com/insight/products</p>
4.	National Digital Library (NDL) subscription details	<p>Our Institute is registered in NDLI ID:INKANC47ZKA9EDI</p> <p>Membership is not active in NDLI due to lack of membership (For active member in NDLI minimum 100 students/faculty is required)</p>

15.2 Laboratory and Workshop

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

A. List of Major Equipment/ Facilities in each Laboratory/workshop

Sl.No	Description of the Item	No. of items
1	Toshiba e-studio 2309 copier	1 no.
2	Power one make 5 KVA online UPS with 60 minutes backup	1 no.
3	MS Project software	10 Licence
4	Lecia TS06 plus R500 power 5" total station	1 set
5	Built superfast software	10 users
6	Upgradation of Arc GIS Desktop	1 no.
7	Automatic compression testing machine	1 no.
8	Universal testing machine	1 no
9	ESRI India - ARC GIS Academic programme plus/EIGAP plus	30 users
10	MS Project Std.2019 SNGL OLP NL Academic	10 License
11	Computer Systems	5 nos.
12	ERDAS image education bundle	5 users
13	Lynx Loading Frame	1
14	Trimble catalyst-GPS AD1 digital antenna	1 no.
15	Concrete Lab equipment	
16	IGIS Desktop professional	5 nos.
17	Concrete scanner with corrosion Analyser	1 no.
18	Direct/Residual shear test apparatus with Electronic Instrumentation system	1 no.

19	Soil Hydrometer 1 no., Sand pouring cylinder 1 no., Vane shear apparatus, laboratory type motorized IS:2720 1 no.	
20	Triaxial Test consolidated undrained Triaxial compression test for cohesive solid (ASTM)	1
21	Electronic dimensional consolidation apparatus	1 no.
22	V Funnel Apparatus	1
23	L Box Apparatus	1
24	J Ring Apparatus	1

B. List of Experimental Setup in Each Laboratory / Workshop

Sl.No.	Description of Items
1	Reagent rack of size (900L*300W*600H) mm of M.S Powder coated with 2 liter partition of glass.(18 Nos)
2	IE - Jayant BIS Test Sieves
3	Jayant test sieve 300 sieve
4	REMI Model magnetic stirrer
5	Constant Temperature water Bath
	Hot Plate
	Heating mantle (100ml, 250ml, 500ml)
6	Digital Hot air oven
7	Mixa -324GB, Horiba. Automotive CO/HC
	Exhaust gas Analyser.
8	T.Meter (Loviboard)
9	Environmental statement an overview package
10	Human Environment Package
11	Framing of Environmental Awareness(9Nos)
12	Soxlet COD with B-24 grand joint
13	KAYKARD Servo controlled Voltage Stabilizer 5kw
14	2 kw Single
15	Muffle Furnace Model TI-58HT(B)
16	Jasco Double V-550 UV/VIS Spectrophotometer
17	Fume Hood

18	REMI Centrifuge Model No. R24
19	Gas Detectors
	Sensors of SO ₂
20	Jar Test Apparatus
21	High Volume Sampler model APM 415
22	Air Sampler Envirotech APH 411
23	LG 1.5T window Air Conditioner and Stabilizer
24	Shaker tube rotater
25	Shaker tube rotater
26	Eco. BOD & CoD Pc/ Package for measurement of BOD & CoD
27	Distillation Unit
28	Thermo gas chromatograph Model CERES 800(E)
29	Atomic Absorption Spectrophotometer & its Accessories
30	Tongs/ Dropping Bottle/ Forceps/ Spatula
31	Turbidity Meter
32	TDS Meter (Bench Model)
33	Sieve Brass Frame & Accessories
34	Dip Tape 30m
35	Oil Measuring Tape 30m
36	Steel Tape 100m
37	Aqua ChemVer 2011.1
38	TOC Analyser (Model - TOC VCPH)
39	Cannon Scanner
40	Imation Head Phone with Mic PCH 530
41	Visual Modflow Flex Premium version
42	HP Laptop
43	I-Ball Pen tablet
44	Voltas mini magic FM water dispenser
45	CANON IR2422L (SI.NO Q4T01545) & Accessories
46	HQ 40d Portable Dual- Input multi parameter meter kit

47	UPS 600 V & APS 600 VA UPS
48	HP Desktop
49	Corp.Flip chart Board/ Tripod Stand / Chart holder/Chart paper
50	Computer Table
51	HP Laserjet Printer Cartridge
52	Alkon modular System
53	E.II Mid Back Chair (carbon black)
54	HS10.30 Shrinkage Limit Apparatus/Standard Test Sieve/ Sieve staker/Adapter/Compaction Test Apparatus/Geotextile thickness Gauge.
55	TOSHIBA 1TB Hard Disk/ Seagate 1TG Hard Disk
56	Corp.Flip chart Board/ Tripod Stand / Chart holder/Chart paper
57	A/C in CIA/CEM Classroom
58	Flame Photometer
59	Turbiditymeter
60	COD Digester
61	Jar Test Apparatus with Six Stirrers
62	pH meter bench model DV1010
63	Hot Air Oven
64	UPS System
65	Geotech. Cross Permeability Test Apparatus
66	Geotech. Gradient ratio test apparatus
67	Geotech. Inplane permeability test apparatus
68	Water distillation unit
69	Magnetic Stirrer with hotplate 5MLH
70	Geotech. dry seive test apparatus
71	Geotech. permeameter
72	Hydrodynamics Sieve Test Apparatus
73	Geotextile - Cone drop test apparatus
74	Digital Conductivity meter with TDS
75	Autoclave
76	Digital coloumn meter

77	Electronic Bacterial Counter
78	Sonicator
79	Digital pH meter
80	Digital Oxygen Dissolved meter
81	Deep Freezer
82	Digital TDS meter
83	Electronic Analytical Balance
84	ORP Meter
85	Mini Rotary Shaker
86	Mini Centrifuge
87	Microwave Oven
88	Micro Pipette
89	Biogas Analyser
90	Laminar Air Flow Vertical
91	Innoculation Loop Holder

DEPARTMENT OF EDUCATIONAL MEDIA AND TECHNOLOGY

A. List of Major Equipment/ Facilities in each Laboratory/workshop

Multimedia Laboratory /
1. Desktop PC (14)
2. LCD Projector & Display Devices (2)
3. DV Camcorder (2)
4. Articulate Storyline2 (10)
5. Network Switch (2)
6. Audio Video Mixer System (1)
7. Microphones (2)
8. Portable Live Content Producer
9. Graphic Tablet
10. Adobe Creative Cloud Licenses
11. HTC VIVE VR System
Editing Suite

1. Apple Mac Final Cut Pro-x Non-Linear Editing Systems - (3)
2. Adobe CC
3. Edius work Group 8
4. ZED-16 Audio Mixer
5. Audio Visual Workstation - (4)
6. Sony Color Correction Monitor - (1)
Micro Teaching Lab
1. Sony PD177 Cameras
2. Shure Professional Microphone
3. Sony Anycast Station
4. 5.1 Home Theatre with speakers
5. Sharp HD Display Black Magic Capture cards Audio work station
6. Display Monitor
ETV Production Centre
1. Digital High Definitions Cameras
➤ Sony FS7 Mark II - (2)
➤ Sony PXW 200 - (2)
2. Digital Video Recording Systems - (2)
3. Professional Wireless Microphone System - (2 sets)
4. ATEM Television Studio Software Mixer
5. Ultra Studio 4 K HD Capture cards
6. VSS Telepromoter
7. Sony Color Correction Monitor - (1)
8. High Definition Display - Sony
9. Canon 5D Mark IV
10. Canon 700D
11. GoPro Hero 9
12. LG Preview Monitor
13. Digilux Cool Lights - 8

DEPARTMENT OF ELECTRICAL, ELECTRONICS AND COMMUNICATION ENGINEERING

A. List of Major Equipment/ Facilities in each Laboratory/workshop

1. MATLAB
2. LabVIEW
3. OrCAD
4. AutoCAD-Electrical,
5. RS Logix
6. RS-VIEW SCADA software.
7. Spectrum Analyzer, Mixed Signal Oscilloscope, Honeywell DCS
8. Trainer systems in the areas of Microcontrollers, Embedded System, VLSI, Power Electronics, PLC and SCADA, Biomedical Engineering, Communication Engineering Digital Signal Processing and LabVIEW Compatible USB based DAQ Modules.
9. Web camera, Jabra Evolve 20MS Duo (Handset), Desktop Computers, Headphones with Mic, NI myRio, iworkBioinstrumentation, Renewal of NI Academic site License Labview for Teaching, EMonia Communication Board for NI ELVIS - III, 1 ball pen Tablet, Corolase Hand sanitizer with Temperature detection, Stabilizer - 5 KVA
10. PLC working Models, Two wheeler electric vehicle with BLDC motor and controller and charging set up, 4 Axis Robot which is capable of pick and place suction cup attachment with python programming

DEPARTMENT OF MECHANICAL ENGINEERING

A. List of Major Equipment/ Facilities in each Laboratory/workshop

S.No.	Description of Item*	Quantity
1	Solar Thermal training system	1No.
2	Solar PV Training system (inverter kit with panel)	1No.
3	Solar power module analyser	1No.
4	Solar pump test rig	1No.
5	Solar Power meter, Pyranometer, Data Acquisition system	Each 1No.
6	Solar PV Panel, IR thermometer, Multimeter, Rheostat	Each 1No.
7	HP i7 Desktop Computers	10 nos.
8	Four stroke single cylinder diesel engine (PC based)	1 set

9	Solar Education Kit with load	1 No.
10	CNC train simulation programming software	5 users
11	3D Printer - FDM technology with accessories	1No.
12	EDM Drilling Machine with appropriate controllers and accessories	1No.
13	3D Printer - SLA technology with accessories	1No.
14	H.P .Compaq Desktop DC 7600 CMT	3 Nos.
15	H.P. Compaq Desk top DC 7600 CMT	3 Nos.
16	HP Compaq Desktop DX 2250	1 No.
17	HP i7 Desktop Computers	5 No.

15.2 Computing Facilities

S.No.	Description	Details
1.	Internet Bandwidth	1 Gbps
2.	Number and configuration of System	1.Intel Xeon Dell System – 1no. - Intel Xeon E3-1225 V3, 16GB, 2TB SATA 2. HP Workstation - 30 nos. - HP Z238 Workstation, 16GB RAM, 1 TB HDD, Win 10 3. HP Server - 2 nos. - HP DL380 GEN 10, 12 core, 256GB, 12000GB SATA, 480GB SSD 4. HP System - 2 nos. - HP 280 G2
3.	Total number of system connected by LAN	250 nos. - Intel Core i3, i5 and Core i7
4.	Total number of system connected by WAN	35 nos.
5.	Major software packages available	1. Adobe Acrobat Pro DC Software 2. Acrobat Pro DC for team, single user
6.	Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)	Gsuite 50 user license, GoToWebinar 1000 user
7.	Facilities for conduct of classes/courses in online mode (Theory & Practical)	Available
8.	Innovation Cell	Available
9.	Social Media Cell	Available
10.	Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments	