



M.S.P. Mandal's
**Shri Shivaji Institute of Engineering & Management Studies,
Vasmat Road, Parbhani – 431 401 (M.S.).**

Ph. (02452) 234109, Fax (02452) 221958

Email: director.ssiems@gmail.com web: www.ssiems.org.in

DTE Code: 2252

University Code: 2252

Shri. Prakash Solanke
President

Shri. Satish Chavan
Secretary

Shri. Anil Nakhate
Joint Secretary

Dr. Anand K. Pathrikar
Director

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

DVV Clarifications:

HEI is required to furnish 1. the receipt confirming the payment of registration fees to the organizing agency, 2. Certificates of attendees, 3. Syllabus, and 4. Details of resource person, pertaining to the FDPs and MDPs during 2022-21, in the forthcoming clarification cycle. HEI is requested to arrange the above documents in a sequence as follows: i. Anand Kachru Pathrikar ii. TRYAMBAK BALIRAM DHAVALÉ iii. Garkar Sanjay Madhavrao iv. Sabale Parmeshwar Lulaji v. Shaikh Akram Shaikh Salim vi. Deshmukh Megha Balkishan vii. SAYYED HAJI ALI GALIB ALI viii. A. E. Nikam ix. POOJA BABASAHEB KADAM x. Muley Shivani S

HEI Response:

The support documents as sought by DVV are attached for kind approval considering all clarifications mentioned for this metric.




Dr. Anand Pathrikar
Director
M.S.P. Mandal's
Shri Shivaji Institute of Engineering
and Management Studies, Parbhani.

Anand Kachru Pathrikar

NBA Accreditation Issues

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS'
TRAINING AND RESEARCH, KOLKATA
BLOCK-FC, SECTOR-III, SALLAKE CITY, KOLKATA- 700 106**

**Tentative Programme Schedule for STTP on
NBA Accreditation Issues (ICT307)**

Duration: March 28-April 1 2022

Date	1 ST Half 11:00 AM-12:30 PM +		R E C E S S	2 nd Half 3:00 PM-4:30 PM +	
	28.03.2022 (Monday)	Registration & Inauguration (AKM, RDG)		Overview of NBA Visit and Accreditation Process (AKM)	
29.03.2022 (Tuesday)	Vision, Mission, PEO, PO, CO etc. with Examples (AKM)	Guidelines for the preparation of SAR, Dos & Don'ts (AKM)		Role of Different Members of the Evaluators Team and the Process (RDG)	
30.03.2022 (Wednesday)	Teaching Methodologies and Blooms Taxonomy (AKM)	Mock SAR (AKM)		Accreditation Issues (RDG)	
31.03.2022 (Thursday)	Mock SAR (AKM) Contd.			List of Documents to be physically verified by the auditor team (RDG)	Complex Engineering Problem and Life Long Learning (RDG)
01.04.2022 (Friday)	Mock SAR (AKM) Contd.			Question Answer and Discussion Session (AKM/RDG)	Valediction (AKM/RDG)

RDG-Prof. Ranjan Dasgupta, NITTTR, Kolkata
AKM -Dr. Arpan Kumar Mondal, NITTTR, Kolkata

Course coordinators

Prof. Ranjan Dasgupta Dr. Arpan K. Mondal



Dr.Anand Pathrikar <anand.pathrikar@gmail.com>

Intimation letter for the ICT Mode STTP - Reg.

1 message

Academic Section, NITTR Kolkata <academic@nittrkol.ac.in>
Bcc: anand.pathrikar@gmail.com

Fri, Mar 25, 2022 at 3:40 PM

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA

(Established by the Ministry of Education, Govt. of India)

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

Tel: +91(033) 66251-901

<http://www.nittrkol.ac.in/>

E-mail: academic@nittrkol.ac.in

Ref. No.: NITTR-K/ICT/2021-22/ICT307

Dated: 25/03/2022

Dear Sir/Madam

You are selected to attend the ICT Mode STTP on "**NBA Accreditation Issues(ICT307)**", which will be held from **28/03/2022** to **01/04/2022**, coordinated by **Arpan Kumar Mondal & Ranjan Dasgupta**.

The said course will be from 10:30 a.m. ID & Password will be sent to you by the course coordinator.

All selected participants are requested to attend the class regularly and attentively otherwise not provided the course certificate.

Do you wish to join the STTP? Kindly confirm by reply mail immediately.

Thanking you,

--

Training Cell, Academic Affairs

NITTR, Kolkata

Tel. & Fax No: 033-2358-7442/033-66251901

academic@nittrkol.ac.in

Certificate of Participation

Anand Kachru Pathrikar

has completed One Week

Short Term Training Programme through ICT Mode on

NBA Accreditation Issues

organised by this Institute

from 28th March to 1st April, 2022 successfully.



NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND RESEARCH
(NITTTR) KOLKATA

(Established by the
Ministry of Education
Government of India)

Dr. Arpan K Mondal

Dr. R. Dasgupta

Sukanta K. Naskar

Dr. Sukanta Kumar Naskar

Programme Coordinator(s)

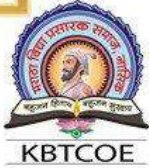
Faculty-in-Charge, Training Cell

Prof. Debi Prasad Mishra

Director

TRYAMBAK BALIRAM DHAVALÉ

Hydrological modeling, climate change ,
and soft computing application in water
resource Engineering



Maratha Vidya Prasarak Samaj's

**Karmaveer Adv Baburao Ganpatrao Thakare College of Engineering,
Nashik**

Permanently Affiliated to Savitribai Phule Pune University, Pune and Approved by AICTE, New Delhi



Certificate

This is to certify that

Dhavale Trymbak Baliram

has actively participated in one-week online STTP on

**Hydrological Modelling, Climate Change and Soft Computing Applications in Water
Resources Engineering**

Organized by

Department of Civil Engineering at MVPS's KBT College of Engineering, Nashik, in association with SSPU and ISH Pune

During 23rd August 2021 to 27th August 2021

Dr P N Balve
Coordinator

Mrs M C Aher
Coordinator

Prof (Dr) P D Nemade
HoD, Civil Engineering

Prof N B Desale
Vice-Principal

Prof (Dr) S R Devane
Principal

About Maratha Vidya Prasarak Samaj Sanstha

Maratha Vidya Prasarak Samaj established in 1914 is a renowned education trust and one of the most prestigious centres of learning in the State of Maharashtra. The motto of the Institution is to expand its educational and social work "बहुजन हिताय, बहुजन सुखाय", for the Welfare and Happiness of the common masses. It runs 477 branches all over Nashik district includes schools, colleges, professional colleges like medical, pharmacy, engineering, architecture etc. for more details visit www.mvp.edu.in.

About Institute

The MVP Samaj's KBT College of Engineering is a NAAC accredited institute with "A" grade. The college is permanently affiliated to Savitribai Phule Pune University and approved by AICTE, New Delhi and DTE, Government of Maharashtra. The college has well equipped laboratories, workshops and Hostel facilities. For more details please visit www.kbtcoe.org.

Coordinator

Dr. P. N. Balve,
(Asst. Prof. Civil Engineering Department)
Mrs. M. C. Aher
(Asst. Prof. Civil Engineering Department)

Registration contacts

Mr. R. C. Patil Mo: +91-9881678433
patil.rohan@kbtcoe.org
Ms. K. R. Sonawane Mo: +91-8421079787
sonawane.kaveri@kbtcoe.org

Chief Patron

Hon. Dr. Tushar R. Shewale
(President, M.V.P. Samaj, Nashik)
Hon. Shri. Manikrao M. Boraste

(Sabhapati, M.V.P. Samaj, Nashik)

Hon. Shri. Ragho K. Ahire
(Upsabhapati, M.V.P. Samaj, Nashik)

Hon. Smt. Nileematal V. Pawar
(Sarchitnis, M.V.P. Samaj, Nashik)

Hon. Dr. Sunil U. Dhikale
(Chitnis, M.V.P. Samaj, Nashik)

All Directors of M.V.P. Samaj, LMC Members and Executive council members

Advisory Committee

Dr. Manohar Chaskar
(Dean, Faculty of Science & Technology,
Member, Management council SPPU Pune)

Dr. S. N. Londhe, (BOS, Chairman, Civil Engg., SPPU,
Pune) and all BOS members

Dr. M. B. Nakil, (SE, CDO, Nashik)

Er. Avinash Shirode, (Consulting Engineer, Nashik)

Er. Vilas Birari (Harsh Construction, Nashik)

Patron

Dr. S. J. Kokate (Education officer)
Prof. (Dr.) S. R. Devane (Principal)
Prof. N. B. Desale (Vice-Principal)

Chief Guest

Prof. D. T. I. Eldho
(Professor, Civil Engineering Department, IIT, Bombay)

Guest of Honour

Prof. (Dr.) M. C. Deo (ISH President and Professor,
Civil Engineering Department, IIT, Bombay)

Convener

Prof. (Dr.) P. D. Nemade Mob.9423975240
(Head, Civil Engineering Department)



Online One-week Short Term Training Programme
On

"Hydrological Modelling, Climate Change and Soft Computing Applications in Water Resources Engineering"

(23rd to 27th August, 2021)

Organized by



Department of Civil Engineering

Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik

Udoji Maratha Boarding Campus, Gangapur Road,
Nashik -13

(In Association with ISH and SPPU Pune)

Website: <http://kbtcoe.org>, <http://www.unipune.ac.in/>

Ph. 0253-2571439, Fax. 0253-2317016



Mission

M1: To provide technical education

M2: To prepare competitive students for
employment/self-employment

M3: To focus on developing the professional skills as
well as the values

About the STTP

A Hydrologic model is a simplification of a real-world system that aids in understanding, predicting and managing water resources. Both the flow and quality of water are commonly studied using hydrologic models. Hydrologic modelling is used to answer environmental transport questions where water excess, scarcity, or dissolved or solid content is of primary importance. Climate change includes both global warming driven by human induced emissions of greenhouse gases resulting in large scale shifts in weather pattern. Many modern tools/software are available to simulate the future impacts of climate change in the field of water resources. Soft computing techniques are becoming popular in engineering and technology activities. They are extensively used in design problems where the emphasis is on optimization problems. Many techniques like Fuzzy Logic, Genetic Algorithm, and Artificial Neural Network have been used by researchers and experts for planning, management and development of resources.

The basic aim for the proposed short term training programme is to make participants aware of the basics of hydrological modelling, impact of climate change on

environment as well as engineering optimization methods and applications of soft computing tools.

Eligibility

Faculty members from AICTE approved Engineering institute, Polytechnic colleges, Agriculture institute, Research Scholar, M.E./M.Tech Students are eligible to attend the short term training programme.

Objective of STTP

- To create awareness about the techniques used in flood mitigation.
- To create awareness in hydrodynamic modelling using HEC-RAS.
- To study the hybrid models implemented for optimization of multireservoir system.
- To study hydrological impact of climate change.
- To study application of soft computing techniques in water resource engineering.

Course Content

- Hydrological Modelling
- Hydrodynamic Modelling
- Hybrid Modelling
- Climate Change
- Soft Computing Tools
- Application of GIS

Resource persons

- **Prof. (Dr.) D.T.I. Eldho** (Professor, IIT, Bombay)
- **Prof. (Dr.) S. M. Yadav** (Professor, SVNIT, Surat)

- **Prof. (Dr.) Shreenivas Londhe** (Professor, VIIT, Pune)
- **Prof. (Dr.) D. G. Regulwar** (Professor, Govt. College of Engineering, Aurangabad)
- **Dr. Priyank Sharma** (Research Scholar, Post doc., US)
- **Dr. Vijendra Kumar** (Assistant Professor, G.H. COE, Raison, Pune)
- **Mr. Vikrant Nikam** (Founder, ALBEDO Foundation)
- **Mr. Darshan Mehta** (Assistant Professor, Govt. College of Engineering, Surat)

Registration details

Program is totally free and in online mode. After successfully completion of program participant will get e-certificate.

Online Registration link

<https://forms.gle/yxpjflgXdtcTUn2w7>

WhatsApp Group Link

1. <https://chat.whatsapp.com/DM0aH90ganf5mLe8UXwYib>
2. <https://chat.whatsapp.com/C4xB3XAGsoR1nFJTgAlfS2>

Important Dates

1. Last date of registration 22nd August 2021.

Organizing Committee

Dr. M.P. Kadam	Mr. D. N. Nathe
Dr. S. J. Kadhbane	Mr. M. B. Patil
Dr. K. T. Patil	Mrs. M. B. Murkute
Dr. A. P. Shelorkar	Mrs. K. R. Sonawane
Mr. S. M. Waysal	Mr. R. C. Patil
Dr. A. M. Bhoi	Mr. K. S. Bhusal
Mr. P. D. Aher	

Garkar Sanjay Madhavrao



Marathwada Shikshan Prasarak Mandal's
**Shri Shivaji Institute of Engineering
and Management Studies,**
Parbhani-431401




Affiliated to DBATU, Lonere and DTE code 2252

Certificate of Participation

This is certify that Mr. Garkar Sanjay Madhavrao, a participant from S Shivaji Institute of Engineering and Management Studies Parbhani, actively engaged the 5-days Faculty Development Program on Advanced Excel. The program was h from 08/11/2021 to 12/11/2021 and was organized by the Department of Compu Science & Engineering.


Prof. Dahale S.S.
Coordinator


Prof. Pawar V.K.
HOD


Dr. A.K. Pathrikar
Director

Resource Person: Advanced Excel Course

Name:

Mr. Dahale S.S.

Position:

Guest Faculty

Qualifications:

- BE in Computer Science and Engineering, BAMU University, Aurangabad

Areas of Expertise:

- Advanced Excel Functions and Formulas
- Data Analysis and Visualization
- Macros and VBA Programming
- Financial Modeling and Business Intelligence
- Data Management and Automation

Contact Information:

- **Email:** ssssdahale3113@gmail.com
- **Phone:** +91-8237605415

Personal Statement:

"I am passionate about empowering individuals with the skills and knowledge to leverage advanced Excel functionalities for data-driven decision-making. My goal is to provide practical, hands-on training that equips participants with the tools they need to excel in their professional careers."



Syllabus for an Advanced Excel course

Module 1: Introduction to Advanced Excel

- Review of Basic Excel Functions:
 - o Basic formulas and functions (SUM, AVERAGE, MIN, MAX)
 - o Cell references (relative, absolute, mixed)
 - Excel Interface and Tools:
 - o Customizing the ribbon
 - o Quick Access Toolbar
 - o Excel Options and settings

Module 2: Advanced Formulas and Functions

- Logical Functions:
 - o IF, AND, OR, NOT
 - o Nested IF statements
- Lookup and Reference Functions:
 - o VLOOKUP, HLOOKUP
 - o INDEX and MATCH
 - o OFFSET and INDIRECT
- Text Functions:
 - o CONCATENATE, LEFT, RIGHT, MID
 - o TEXT, TRIM, LEN, FIND, SUBSTITUTE
- Date and Time Functions:
 - o TODAY, NOW, DATE, TIME
 - o YEAR, MONTH, DAY
 - o DATEDIF, EDATE, EOMONTH
- Array Formulas:
 - o Introduction to array formulas
 - o Using array constants
 - o Advanced array formula techniques

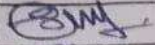









Module 3: Data Analysis and Visualization

- PivotTables and PivotCharts:
 - o Creating and customizing PivotTables
 - o Grouping, sorting, and filtering data
 - o Calculated fields and items
 - o Creating PivotCharts
- Data Analysis Tools:
 - o Data Tables (one-variable and two-variable)
 - o Scenario Manager
 - o Goal Seek
 - o Solver
 - Advanced Charting Techniques:
 - o Combo charts
 - o Sparklines
 - o Dynamic charts using named ranges
 - o Advanced formatting techniques

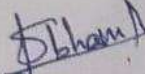
Module 4: Data Management and Automation

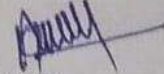
- Data Validation:
 - o Setting up data validation rules
 - o Creating drop-down lists
- o Custom data validation messages
 - Conditional Formatting:
 - o Creating and managing rules
- o Using formulas in conditional formatting
- o Data bars, color scales, and icon sets
 - Advanced Filtering and Sorting:
 - o Custom sorting
 - o Advanced filter techniques
 - o Removing duplicates

M.S.P. Mandal's
Shri Shivaji Institute of Engineering & Management Studies,
Vasmat Road, Parbhani – 431 401 (M.S.),
Academic Year 2021-22
FDP Attendance on Advance Excel

Sr. No.	Name of Staff	8/11/2021	9/11/2021	10/11/2021	11/11/2021	12/11/2021
1	Garkar S.M					
2	Sable P.L.					

Garkar S.M and Sable P.L. has successfully completed FDP on Advance Excel.


FDP Incharge


HOD
Head
Dept. of Computer Science & Engg.
Shri Shivaji Institute of Engineering
& Management Studies, Parbhani


Director
Director
M.S.P.Mandal's
Shri Shivaji Institute of Engineering
and Management Studies, Parbhani

Sabale Parmeshwar Lulaji



Marathwada Shikshan Prasarak Mandal's
**Shri Shivaji Institute of Engineering
and Management Studies,
Parbhani-431401**

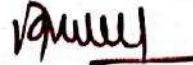


Affiliated to DBATU, Lonere and DTE code 2252

Certificate of Participation

This is certify that Mr. Sable Parmeshwar Lulaji, a participant from S Shivaji Institute of Engineering and Management Studies Parbhani, actively engaged in the 5-days Faculty Development Program on Advanced Excel. The program was held from 08/11/2021 to 12/11/2021 and was organized by the Department of Computer Science & Engineering.


Prof. Dahale S.S.
Coordinator


Prof. Pawar V.K.
HOD


Dr. A.K. Pathrikar
Director

Resource Person: Advanced Excel Course

Name:

Mr. Dahale S.S.

Position:

Guest Faculty

Qualifications:

- BE in Computer Science and Engineering, BAMU University, Aurangabad

Areas of Expertise:

- Advanced Excel Functions and Formulas
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Contact Information:

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Personal Statement:

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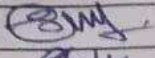
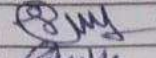



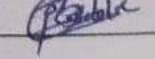
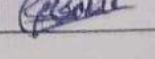



Module 3: Data Analysis and Visualization

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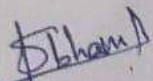
Module 4: Data Management and Automation

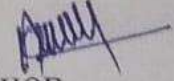
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1	Garkar S.M					
2	Sable P.L.					

Garkar S.M and Sable P.L. has successfully completed FDP on Advance Excel.


FDP Incharge


HOD
Head
Dept. of Computer Science & Engg.
Shri Shivaji Institute of Engineering
& Management Studies, Parbhani


Director
Director
M.S.P.Mandal's
Shri Shivaji Institute of Engineering
and Management Studies, Parbhani

Shaikh Akram Shaikh Salim

Laboratory Practice on Civil Engineering Materials – NDT/SDT

Fwd: Intimation letter for the ICT Mode STTP - Reg.

1 message

Akram Sheikh <akramsheikh17@gmail.com>
To: "Dr.Anand Pathrikar" <anand.pathrikar@gmail.com>

Wed, Jul 17, 2024 at 2:25 PM

----- Forwarded message -----

From: **Academic Section, NITTTR Kolkata** <academic@nitttrkol.ac.in>
Date: Wed, Mar 2, 2022, 11:19
Subject: Intimation letter for the ICT Mode STTP - Reg.
To: Dr. Uday Chand Kumar <uckumar@nitttrkol.ac.in>

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA*(Established by the Ministry of Education, Govt. of India)***Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106**

Tel: +91(033) 66251-901

<http://www.nitttrkol.ac.in/>E-mail: academic@nitttrkol.ac.in

Ref. No.: NITTTR-K/ICT/2021-22/ICT292

Dated: 02/03/2022

Dear Sir/Madam

You are selected to attend the ICT Mode STTP on “**Laboratory Practice on Civil Engineering Materials – NDT / SDT(ICT292)**”, which will be held from **07/03/2022** to **11/03/2022**, coordinated by **Uday Chand Kumar**.

The said course will be from 10:30 a.m. ID & Password will be sent to you by the course coordinator.

All selected participants are requested to attend the class regularly and attentively otherwise not provided the course certificate.

Do you wish to join the STTP? Kindly confirm by reply mail immediately.

Thanking you,

—

*Training Cell, Academic Affairs**NITTTR, Kolkata**Tel. & Fax No: 033-2358-7442/033-66251901**academic@nitttrkol.ac.in*

Tentative PROGRAMME SCHEDULE
for
 ICT STTP on “ENVIRONMENTAL POLLUTION AND PROTECTIVE MEASURES
 (ICT298)”

(Duration: 14.03.2022 – 18.03.2022, 1 week)

Programme Coordinator: Dr. S. N. Mandal, Professor, Department of Civil Engineering,
 NITTTR, Kolkata

Date	Morning Session (11 AM to 1 PM)	Afternoon Session (2 PM – 4 PM)
14-03 Mon	Programme Overview SNM	Health and Environment KM
15-03 Tue	Environmental Pollution and Control AKB	Online Environmental Pollution Laboratory (Live) SNM
16-03 Wed	Online Environmental Pollution Laboratory (Live) SNM	Domestic Air and Water Purification SD
17-03 Thu	Environmental Protection SKR	Online Environmental Pollution Laboratory (Live) SNM
18-03 Fri	ONLINE TEST SNM	Valediction SNM

Abbreviations:

SNM Dr. Sailendra Nath Mandal
 AKB Dr. Ashim Kumar Bhattacharya
 KM Dr. Kaushik Mitra
 SD Dr. Santanu Das
 SKR Mr. Sushanta Kumar Roy

Certificate of Participation

Shaikh Akram Shaikh Salim

has completed One Week

Short Term Training Programme through ICT Mode on

Laboratory Practice on Civil Engineering Materials – NDT/SDT

organised by this Institute

from 7th March to 11th March, 2022 successfully.



NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND RESEARCH
(NITTTR) KOLKATA

**(Established by the
Ministry of Education
Government of India)**

Dr. Uday Chand Kumar
Programme Coordinator(s)

Dr. Sukanta Kumar Naskar
Faculty-in-Charge, Training Cell

Prof. Debi Prasad Mishra
Director

Deshmukh Megha Balkishan

Certificate of Participation

Deshmukh Megha Balkishan

has completed One Week

Short Term Training Programme through ICT Mode on

Laboratory Practice on Civil Engineering Materials – NDT/SDT

organised by this Institute

from 7th March to 11th March, 2022 successfully.



NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND RESEARCH
(NITTTR) KOLKATA

**(Established by the
Ministry of Education
Government of India)**

Dr. Uday Chand Kumar
Programme Coordinator(s)

Dr. Sukanta Kumar Naskar
Faculty-in-Charge, Training Cell

Prof. Debi Prasad Mishra
Director

Fwd: Intimation letter for the ICT Mode STTP - Reg.

1 message

Akram Sheikh <akramsheikh17@gmail.com>
To: "Dr.Anand Pathrikar" <anand.pathrikar@gmail.com>

Wed, Jul 17, 2024 at 2:25 PM

----- Forwarded message -----

From: **Academic Section, NITTTR Kolkata** <academic@nitttrkol.ac.in>
Date: Wed, Mar 2, 2022, 11:19
Subject: Intimation letter for the ICT Mode STTP - Reg.
To: Dr. Uday Chand Kumar <uckumar@nitttrkol.ac.in>

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA*(Established by the Ministry of Education, Govt. of India)***Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106**

Tel: +91(033) 66251-901

<http://www.nitttrkol.ac.in/>E-mail: academic@nitttrkol.ac.in

Ref. No.: NITTTR-K/ICT/2021-22/ICT292

Dated: 02/03/2022

Dear Sir/Madam

You are selected to attend the ICT Mode STTP on “**Laboratory Practice on Civil Engineering Materials – NDT / SDT(ICT292)**”, which will be held from **07/03/2022** to **11/03/2022**, coordinated by **Uday Chand Kumar**.

The said course will be from 10:30 a.m. ID & Password will be sent to you by the course coordinator.

All selected participants are requested to attend the class regularly and attentively otherwise not provided the course certificate.

Do you wish to join the STTP? Kindly confirm by reply mail immediately.

Thanking you,

—

*Training Cell, Academic Affairs**NITTTR, Kolkata**Tel. & Fax No: 033-2358-7442/033-66251901**academic@nitttrkol.ac.in*



Message from Director



It is matter of great respite that after almost two years of pandemic COVID-19 which has dislocated most aspects of life including education, India is limping back to normalcy. NITTR, Kolkata too has resumed her activities in the traditional contact mode, even though the ICT mode is continuing in parallel. Of course several modes of new learning models are emerging across the globe. Two mostly discussed and emerging teaching models are Hybrid and Blended which are often be mistaken for one another although both contain certain similar instructional elements with certain distinctive features. In case of Hybrid teaching method, teacher can teach both in-person and remote students at the same time. Of course asynchronous teaching methods can be utilized to complement the face-to-face interaction. In contrast, blended model uses the in-person teaching by utilizing instructional videos and online assignments. It will be prudent to use hybrid model for training of teachers at NITTR Kolkata. However the hybrid

model must designed properly with proper digital engagement without hampering too much about the positive aspects of face-to-face interactions with students. It is envisaged that the hybrid mode of learning can enhance and accelerate learning by providing student-centric approaches to meet diverse needs of modern learners. Although people are adopting quick fix solution for it. The need of the hour is to design and develop hybrid mode of education in systematic manner by undertaking educational research while spelling out its pros and cons. Several issues namely proper extent of learning environment related to contact and ICT mode, identification of proper digital platform, possible abuses of digital platform, psychological aspect of hybrid learning and other unknown problems. I believe that NITTR, Kolkata can take a lead role by formulating certain benchmarks for both blended and hybrid models in terms of learning environment, lesson design, assessment and feedback led by our experienced faculty members so that they can train the teachers at pan india level for augmentation of capacity building in field of technical education. Let the world be illuminated by the light of knowledge with message from our Indian scripture:

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मृत्योर्मा अमृतं गमय ॥

Prof. Debi Prasad Mishra
Director, NITTR, Kolkata

ARTICLE

LOOKING BACK – REFLECTIONS: ME & NITTR, Kolkata

J. J. Mandal, Professor,
Civil Engineering Dept.

Introduction

Two weeks back, in one Saturday evening, I received a call from Dr. Habiba Hussain, requesting me to give a write up for the Newsletter. I am not at all comfortable in writing anything except occasional some extremely unavoidable technical articles. Since this is the last time I am getting the opportunity to contribute something to our vibrant Newsletter, I will try to share my experiences during my association with this prestigious institution for more than a decade, to be specific around 14 years.

I joined NITTR, Kolkata on 1st of July 2008 after a brief stint with NIT Durgapur. Before that I was associated with NIT Silchar (then REC Silchar), Jalpaiguri Government Engg College and Meghnad saha Institute of Technology, Kolkata (the first Private Engineering college to offer Civil engineering as a curriculum in West Bengal).

When I received the offer (sometime in early April 2008), I faced several inquiries regarding my option. Many of my colleagues and friends advised me not to accept the offer for various reasons as they feel suitable. Before taking a final call, I made a phone call to my Supervisor in IIT Kharagpur, Professor DP Ghosh. He told me that you have taught for so many years, why not try something new to you, it will be challenging. That time, the so called research activities in newly constituted NIT's (from REC's) was very primitive, even in terms of post graduate studies also. I decided to join and now I stand satisfied and happy, looking at the different aspects.

The environment and the academic atmosphere here seems to totally different from a standard Technological Institute. When I joined, the programme schedule for 2008-2009 was finalised. Hence I got a breathing space to acclimatise myself to the system. I was in a dilemma. First what is training all about? Second I have to deal with teachers, who has experience of teaching and some of them are highly experienced. I need to offer a list of preconceived programmes for a whole academic year by January 2009.

What I am going to offer? I discussed with the senior faculty members and others who are offering training programme for a long time. One of my senior colleagues, suggested that you think of an area from your specialization, you felt disadvantaged while teaching and not offered by the department in recent times. That was the beginning. It was 'Soil exploration and site Investigation', the most important and neglected topic in Civil Engineering curriculum. The course was offered in first week of June 2009, if I remember the applicants was 36, out of which 29 attended the programme. Participants were taken for a site visit and an Industry expert was invited to deliver talks to the participants. It was quite a successful in terms of quantity (number of participants) and I felt that the participants were satisfied. Online programme was not there in distant dream.

The journey started and it was engrossing and riveting as far as the future STTP's with final frontier in terms of online programmes due to COVID 19.

I came across the term "PEDAGOGY". Rarely spoken about in academic circles in engineering colleges in those days. I was told that it is related to various teaching techniques, assessment, and feedback mechanism. Then I realise that we were all doing it, may not be in a formative way. Basically I understood that it was all about how to teach? How to approach teaching? Though we were not formally trained as a teacher in earlier days, we got the necessary inputs from our senior colleagues and teachers, who were always there to offer helping hands for any kind of discomfort and problem faced during toddling years as a teacher. Now, I realise that all those can be imbibed in terms of structured training programmes.

With those in my thoughts, I tried to incorporate them in my programmes and realise it is not conventional teaching as we are habituated. As time passed, it is realised that the training is of vital importance particularly for young faculty members for their career advancement as well as in induction and continuation in their career as teaching requires continuous content upgradation with rapid development and change in teaching methodologies.

In NITTR's, the main focus is in service technical teacher's training as the name itself suggest. But sometimes, we, ourselves, don't give due credence to it. Is it because, in back of our mind, we always think about the conventional teaching in UG and PG classes. We forget to our convenience that these Institutes were conceived and created for specific purposes. With changing time, we may have to adjust, but not relegating us by comparing with those with different

mission and vision. There are hundreds of Institutions in the conventional categories but we are four specials and unique. We have to look into the aspect of training as now premier Institutes are also offering training programmes.

I may be wrong, but have the gut feeling that we ourselves don't give importance to us. Being in various academic institution as faculty member, I can say with conviction that the academic and other load of a faculty member in NITTR Kolkata cannot be compared at all with other academic institutions. It is much more by any yardstick. But at the end of the day we stay vindicated. For the departments, offering PG programmes, on top of regular PG classes, each of us is offering 10 to 12 STTP's. In this way, we are not able to do justice always to programmes. The special efforts by Education & management cannot be measured, all the bulls work are carried out by them on top of the regular STTP programmes.

We talk of STTP's only regarding achieving targets in terms of participant's week. Quality has taken a back seat. May be we don't have any alternative. As far as other activities, since we are few in numbers, it become mandatory many times not a rotational one as in other places.

My stay in NITTR, Kolkata has opened a new domain and added a new dimension to my thought process. It has given me acquaintance to teaching and technical support staffs from various polytechnics and engineering colleges particularly from Eastern zone and north eastern states with direct face to face interaction. It is not that earlier participants from other parts of the country was not attending but limited to that from Government and Government sponsored institutions due to the financial assistance provided to them. But the ICT based programmes (with its obvious limitation) broke the barrier and the acquaintance became truly pan Indian.

I was very lucky to participate in various Regional Workshops on Technical Education System, organized by the Institute, and held periodically in different north

eastern states and in the capacity of coordinator in the 5th regional workshop held at Guwahati in April 2019. Curriculum development and revision was an alien field during my earlier career. NITTR, Kolkata gave me the opportunity to learn the nuances of curriculum development and revision, particularly for diploma level and allowed me to participate in many workshops conducted by Curriculum development cell of the Institute.

I like to express my sincere thanks all my colleagues, technical & other support staffs from various departments, who has done commendable job with the resources we have and for guiding me in my effort to be a trainer.

I like to express my sincere thanks to our very young and dynamic colleagues for their ever willing attitude to help out in all problems in odd hours, particularly during conduction of online programmes and accepting me as one of them.

Finally, I like to acknowledge the cooperation I received from all the respected Directors, under whose guidance, my stay in NITTR, Kolkata became a memorable one.

Teachers' Training

Teachers' Training During the period of January - April 2022: 5677 numbers of Technical Teachers have been trained, through various Short-Term Training Programmes, broadly in the areas of Content Updating, Management, Pedagogy and Professional Skill development. A total of 83 training programs were conducted for the Teachers and Technicians of different Polytechnic colleges and Engineering colleges all over the Country during the 1st Quarter of the Year 2022. Due to the Pandemic situation, most of the programmes have been conducted in online mode along with few programmes through Contact Mode.

List of Training Programmes (January – April, 2022)

Sl. No.	Programme Co-ordinator	Programme Code	Programme Title	From	To
1	Habiba Hussain	ICT244	Online Pedagogy	03/01/2022	07/01/2022
2	Rajeev Chatterjee	ICT245	Introduction to Coding Theory	03/01/2022	07/01/2022
3	Sagarika Pal	ICT246	Induction Training	03/01/2022	07/01/2022
4	Soumitra Kumar Mandal	ICT247	LABVIEW & MATLAB Applications in Engineering	03/01/2022	07/01/2022
5	Subrata Chattopadhyay	ICT248	Sensor Transducer And Signal Conditioning	03/01/2022	07/01/2022
6	Uday Chand Kumar	ICT249	Rural Engineering	03/01/2022	07/01/2022
7	Rayapati Subbarao	ICT266	NBA Accreditation and SAR preparation	03/01/2022	07/01/2022
8	Dipankar Bose	ICT250	Fusion Welding Processes	10/01/2022	14/01/2022

Sl. No.	Programme Co-ordinator	Programme Code	Programme Title	From	To
9	Sheela Yadav Rai	ICT251	Induction Training	10/01/2022	14/01/2022
10	Urmila Kar	ICT252	National Education Policy (NEP) 2020 – Reforms in Higher Education	10/01/2022	14/01/2022
11	Kinsuk Giri & Samir Roy	ICT253	Mathematical Foundation of Computer Science	10/01/2022	21/01/2022
12	Jagat Jyoti Mandal	ICT255	Concept Teaching in Geotechnical Engineering	17/01/2022	21/01/2021
13	Prasanta Sarkar	ICT256	Control System analysis and Design with MATLAB	17/01/2022	21/01/2022
14	Rayapati Subbarao	ICT257	How to write Thesis and Research paper	17/01/2022	21/01/2022
15	Santanu Bhanja	ICT258	Course on Commentary for Code on Ductility Design and Detailing of RC structures subjected to Seismic Forces - IS 13920 2016	17/01/2022	21/01/2022
16	Sukanta Kumar Naskar	ICT259	Induction Training	17/01/2022	21/01/2022
17	Chandan Chakraborty	ICT260	Probability and Statistics	17/01/2022	28/01/2022
18	Nirmal Kumar Mandal	ICT261	Machine Learning in Engineering	17/01/2022	21/01/2022
19	Indrajit Saha	ICT262	Technology Enabled Learning	24/01/2022	28/01/2022
20	Mithu Dey	ICT263	Engineering Drawing using Software	24/01/2022	28/01/2022
21	Sheela Yadav Rai	ICT264	Power Generation from Energy Resources	24/01/2022	28/01/2022
22	Santanu Bhanja	ICT265	Modelling, Analysis and Design of Buildings with Software	31/01/2022	04/02/2022
23	Dipankar Bose	ICT267	Non Traditional Machining Processes	07/02/2022	11/02/2022
24	Habiba Hussain	ICT268	Pedagogical Communication	07/02/2022	11/02/2022
25	Kinsuk Giri	ICT269	Introduction to PYTHON Programming	07/02/2022	11/02/2022
26	Sagarika Pal	ICT270	Control & Automation	07/02/2022	11/02/2022
27	Sailendra Nath Mandal	ICT271	Major Environmental Pollutants and Human Health	07/02/2022	11/02/2022
28	Sheela Yadav Rai	ICT272	Role of Technical Institutions in Community Development	07/02/2022	11/02/2022
29	Subrata Chattopadhyay	ICT273	Sensor Transducer And Signal Conditioning	07/02/2022	11/02/2022
30	Uday Chand Kumar	ICT274	Fundamental of Surveying	07/02/2022	11/02/2022
31	Jagat Jyoti Mandal	ICT275	Introduction to Finite Element method in Engineering	07/02/2022	18/02/2022
32	Arpan Kumar Mondal & Ranjan Dasgupta	ICT276	Complex Engineering Problems (CEP): Role in NBA accreditation process	14/02/2022	18/02/2022
33	Dipankar Bose	ICT277	Management Aspects of Laboratory Classes	14/02/2022	18/02/2022
34	Prasanta Sarkar	ICT278	Electricity Rules and Code of Practices	14/02/2022	18/02/2022
35	Samir Roy	ICT279	Artificial Intelligence	14/02/2022	18/02/2022
36	Chandan Chakraborty & Kinsuk Giri	ICT280	Machine Learning with Python	21/02/2022	25/02/2022
37	Indrajit Saha	ICT281	Fundamentals to Data Security	21/02/2022	25/02/2022
38	Nirmal Kumar Mandal & Santanu Bhanja	ICT282	Preview of Science and Technology in Ancient India	21/02/2022	25/02/2022
39	Sheela Yadav Rai	ICT283	Estimating & Costing of Non-conventional Energies	21/02/2022	25/02/2022
40	Urmila Kar	ICT284	Assessment and Evaluation under Outcome Based Education	21/02/2022	25/02/2022
41	Habiba Hussain	ICT285	Effective Teaching	28/02/2022	04/03/2022
42	Arpan Kumar Mondal & Ranjan Dasgupta	ICT254	Complex Engineering Problems (CEP) and Life Long Learning (LLL): Role in NBA Accreditation Process	28/02/2022	04/03/2022
43	Rayapati Subbarao	ICT286	NBA Accreditation for Polytechnics and Engineering Colleges	07/03/2022	11/03/2022
44	Arpan Kumar Mondal	ICT287	Advanced Welding Processes	07/03/2022	11/03/2022
45	Dipankar Bose	ICT288	Managing Aspects of Laboratory Classes	07/03/2022	11/03/2022
46	Nirmal Kumar Mandal & Santanu Bhanja	ICT289	Course on Vibration Analysis and Its Application in Engineering Design	07/03/2022	11/03/2022
47	Sheela Yadav Rai	ICT290	Community Development through Technical Institutes	07/03/2022	11/03/2022
48	Subrata Chattopadhyay	ICT291	Computer Aided Instruction In Teaching Learning Process	07/03/2022	11/03/2022
49	Uday Chand Kumar	ICT292	Laboratory Practice on Civil Engineering Materials – NDT / SDT	07/03/2022	11/03/2022
50	Urmila Kar	ICT293	Quality Assurance through Accreditation (NBA Guidelines)	14/03/2022	18/03/2022
51	Mithu Dey	ICT294	Professional Values and Ethics	14/03/2022	18/03/2022
52	Prasanta Sarkar	ICT295	Engineering Capstone Project	14/03/2022	18/03/2022
53	Ranjan Dasgupta & Kinsuk Giri	ICT296	HPC and Cloud Computing	14/03/2022	18/03/2022
54	Rajeev Chatterjee & Samir Roy	ICT297	Object Oriented Design & Programming in C++	14/03/2022	18/03/2022
55	Sailendra Nath Mandal	ICT298	Environmental Pollution and Protective Measures	14/03/2022	18/03/2022
56	Nirmal Kumar Mandal	ICT299	MATLAB in Mechanical Engineering Applications	21/03/2022	25/03/2022
57	Chandan Chakraborty	ICT300	Pattern Recognition: Theory & Applications	21/03/2022	25/03/2022

SAYYED HAJI ALI GALIB ALI

**National Programme on Technology Enhanced Learning (NPTEL)**

**Receipt for successful payment of fees for online courses conducted by NPTEL
Course Run:Jan-Mar 2022**

Name of candidate : **Sayyed Haji Ali Galib Ali**

Courses name : **Digital Protection of Power System**

Date of exam : **27-03-2022**

Mode of payment : **Billdesk**

Amount paid : **Rs.1100**

*We hereby acknowledge with thanks, the receipt of **Rs.1100** from the aforementioned candidate towards payment for NPTEL Online Certification Exam, details of which are shown above.*

FDP Course Name:-

Digital Protection of Power System

Resource person:-

Prof. Bhaveshkumar R. Bhalja

Professor, Department of Electrical Engineering, Indian Institute of Technology (IIT) Roorkee

Duration:-24 Jan 2022 to 18 Mar 2022

Organized by:- Swayam NPTEL

Course Syllabus:-

Week 1: Introduction of digital relays; Fundamentals of digital relays; Basic layout and elements of the digital relays with visual illustration; The concept of sampling and aliasing for digital relays; Sliding window concept of digital relays

Week 2: Estimation of phasors using Full-cycle Discrete Fourier Transform (DFT); Estimation of phasors using Half-cycle DFT and introduction of Discrete Cosine Transform; Estimation of phasors using Walsh function technique and Least Error Square technique; Estimation of frequency in digital relays and practical considerations for selection of various algorithms; Digital Differential Protection of Generator, Induction motors and Busbar

Week 3: Digital Differential Protection of Transformers; Digital Directional/Non-directional Overcurrent and Earth fault relays; Overcurrent relay coordination in an interconnected power system network: LINKNET structure and determination of primary/backup relay pairs; Overcurrent relay coordination in an interconnected power system network: Example; Problems faced by digital distance relays.

Week 4: Computation of direction and impedance for digital distance relays; Power swing detection and blocking technique in digital distance Relays; Protection of double-circuit transmission line using digital distance relays; Protection of multi-terminal transmission line using digital distance relays; Protection of series compensated transmission line using digital distance relays: Basic components.

Week 5: Protection of Series compensated transmission line using digital distance relays: Voltage/current inversion and sub-synchronous oscillations and additional transients; Load shedding and Frequency relaying: Various load shedding techniques and frequency relays; Load shedding and Frequency relaying: Factors to be considered and rate of frequency decline; Islanding phenomena: Hazards and risk of islanding and methods of islanding; Loss of existing protection coordination among protective devices: Recloser-Fuse coordination for DG interfaced Distribution network

Week 6: Hardware-in-loop testing of an islanding detection technique; Protection of dc microgrid: Review and challenges; AC microgrid protection: Problems and solutions; Insight in to hybrid ac-dc microgrid protection; Application of travelling wave (TW) and wavelet transform (WT) based algorithm

Week 7: Application of artificial intelligence (AI) in digital relaying; Introduction to Phasor Measurement Unit (PMU); Introduction of IEEE C37.118 standard; Wide area monitoring, control and protection using PMU; Introduction to IEC 61850 standard for substation automation and relay interoperability: Part-1

Week 8: Introduction to IEC 61850 standard for substation automation and relay interoperability: Part-2; Introduction to IEC 61850 standard for substation automation and relay interoperability: Part-3; Protection of High voltage dc transmission network; Various cyber-attacks at substation/transmission level for Indian power grid network; Basic concept and application of control switching.



Exam Registration: Payment Successful

Inbox



exam@nptel.iitm.ac.... 31/1/2022
to me ▾



Hello Sayyed Haji Ali Galib Ali,

Your payment for the following course(s) is successful.

Course	Amount
Digital Protection of Power System	₹ 1100

Here are your transaction details:

Transaction ID	2ee7700416554ee1bc6ed47214f85f51
Billdesk Reference	WUR20875280907
Date	31/01/2022 12:59:31 IST
Total Amount	₹ 1100

For any grievance contact support : support@nptel.iitm.ac.in
If your transaction was successful, payment receipts will be available once the form closes.

← Reply

↩ Reply all

➦ Forward

Payment Receipt

A. E. Nikam



Message from Director



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7	Rayapati Subbarao	ICT266	NBA Accreditation and SAR preparation	03/01/2022	07/01/2022
8	Dipankar Bose	ICT250	Fusion Welding Processes	10/01/2022	14/01/2022

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9	Sheela Yadav Rai	ICT251	Induction Training	10/01/2022	14/01/2022
10	Urmila Kar	ICT252	National Education Policy (NEP) 2020 – Reforms in Higher Education	10/01/2022	14/01/2022
11	Kinsuk Giri & Samir Roy	ICT253	Mathematical Foundation of Computer Science	10/01/2022	21/01/2022
12	Jagat Jyoti Mandal	ICT255	Concept Teaching in Geotechnical Engineering	17/01/2022	21/01/2021
13	Prasanta Sarkar	ICT256	Control System analysis and Design with MATLAB	17/01/2022	21/01/2022
14	Rayapati Subbarao	ICT257	How to write Thesis and Research paper	17/01/2022	21/01/2022
15	Santanu Bhanja	ICT258	Course on Commentary for Code on Ductility Design and Detailing of RC structures subjected to Seismic Forces - IS 13920 2016	17/01/2022	21/01/2022
16	Sukanta Kumar Naskar	ICT259	Induction Training	17/01/2022	21/01/2022
17	Chandan Chakraborty	ICT260	Probability and Statistics	17/01/2022	28/01/2022
18	Nirmal Kumar Mandal	ICT261	Machine Learning in Engineering	17/01/2022	21/01/2022
19	Indrajit Saha	ICT262	Technology Enabled Learning	24/01/2022	28/01/2022
20	Mithu Dev	ICT263	Engineering Drawing using Software	24/01/2022	28/01/2022
21	Sheela Yadav Rai	ICT264	Power Generation from Energy Resources	24/01/2022	28/01/2022
22	Santanu Bhanja	ICT265	Modelling, Analysis and Design of Buildings with Software	31/01/2022	04/02/2022
23	Dipankar Bose	ICT267	Non Traditional Machining Processes	07/02/2022	11/02/2022
24	Habiba Hussain	ICT268	Pedagogical Communication	07/02/2022	11/02/2022
25	Kinsuk Giri	ICT269	Introduction to PYTHON Programming	07/02/2022	11/02/2022
26	Sagarika Pal	ICT270	Control & Automation	07/02/2022	11/02/2022
27	Sailendra Nath Mandal	ICT271	Major Environmental Pollutants and Human Health	07/02/2022	11/02/2022
28	Sheela Yadav Rai	ICT272	Role of Technical Institutions in Community Development	07/02/2022	11/02/2022
29	Subrata Chattopadhyay	ICT273	Sensor Transducer And Signal Conditioning	07/02/2022	11/02/2022
30	Uday Chand Kumar	ICT274	Fundamental of Surveying	07/02/2022	11/02/2022
31	Jagat Jyoti Mandal	ICT275	Introduction to Finite Element method in Engineering	07/02/2022	18/02/2022
32	Arpan Kumar Mondal & Ranjan Dasgupta	ICT276	Complex Engineering Problems (CEP): Role in NBA accreditation process	14/02/2022	18/02/2022
33	Dipankar Bose	ICT277	Management Aspects of Laboratory Classes	14/02/2022	18/02/2022
34	Prasanta Sarkar	ICT278	Electricity Rules and Code of Practices	14/02/2022	18/02/2022
35	Samir Roy	ICT279	Artificial Intelligence	14/02/2022	18/02/2022
36	Chandan Chakraborty & Kinsuk Giri	ICT280	Machine Learning with Python	21/02/2022	25/02/2022
37	Indrajit Saha	ICT281	Fundamentals to Data Security	21/02/2022	25/02/2022
38	Nirmal Kumar Mandal & Santanu Bhanja	ICT282	Preview of Science and Technology in Ancient India	21/02/2022	25/02/2022
39	Sheela Yadav Rai	ICT283	Estimating & Costing of Non-conventional Energies	21/02/2022	25/02/2022
40	Urmila Kar	ICT284	Assessment and Evaluation under Outcome Based Education	21/02/2022	25/02/2022
41	Habiba Hussain	ICT285	Effective Teaching	28/02/2022	04/03/2022
42	Arpan Kumar Mondal & Ranjan Dasgupta	ICT254	Complex Engineering Problems (CEP) and Life Long Learning (LLL): Role in NBA Accreditation Process	28/02/2022	04/03/2022
43	Rayapati Subbarao	ICT286	NBA Accreditation for Polytechnics and Engineering Colleges	07/03/2022	11/03/2022
44	Arpan Kumar Mondal	ICT287	Advanced Welding Processes	07/03/2022	11/03/2022
45	Dipankar Bose	ICT288	Managing Aspects of Laboratory Classes	07/03/2022	11/03/2022
46	Nirmal Kumar Mandal & Santanu Bhanja	ICT289	Course on Vibration Analysis and its Application in Engineering Design	07/03/2022	11/03/2022
47	Sheela Yadav Rai	ICT290	Community Development through Technical Institutes	07/03/2022	11/03/2022
48	Subrata Chattopadhyay	ICT291	Computer Aided Instruction In Teaching Learning Process	07/03/2022	11/03/2022
49	Uday Chand Kumar	ICT292	Laboratory Practice on Civil Engineering Materials – NDT / SDT	07/03/2022	11/03/2022
50	Urmila Kar	ICT293	Quality Assurance through Accreditation (NBA Guidelines)	14/03/2022	18/03/2022
51	Mithu Dev	ICT294	Professional Values and Ethics	14/03/2022	18/03/2022
52	Prasanta Sarkar	ICT295	Engineering Capstone Project	14/03/2022	18/03/2022
53	Ranjan Dasgupta & Kinsuk Giri	ICT296	HPC and Cloud Computing	14/03/2022	18/03/2022
54	Rajeev Chatterjee & Samir Roy	ICT297	Object Oriented Design & Programming in C++	14/03/2022	18/03/2022
55	Sailendra Nath Mandal	ICT298	Environmental Pollution and Protective Measures	14/03/2022	18/03/2022
56	Nirmal Kumar Mandal	ICT299	MATLAB in Mechanical Engineering Applications	21/03/2022	25/03/2022
57	Chandan Chakraborty	ICT300	Pattern Recognition: Theory & Applications	21/03/2022	25/03/2022

POOJA BABASAHEB KADAM

Certificate of Participation

Pooja Babasaheb Kadam

has completed One Week

Short Term Training Programme through ICT Mode on
Renewable Energy Sources and Emerging Technologies
organised by this Institute
from 21st March to 25th March, 2022 successfully.



NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND RESEARCH
(NITTTR) KOLKATA

**(Established by the
Ministry of Education
Government of India)**

Smt. Sheela Yadav Rai
Programme Coordinator(s)

Dr. Sukanta Kumar Naskar
Faculty-in-Charge, Training Cell

Prof. Debi Prasad Mishra
Director



Message from Director



It is matter of great respite that after almost two years of pandemic COVID-19 which has dislocated most aspects of life including education, India is limping back to normalcy. NITTR, Kolkata too has resumed her activities in the traditional contact mode, even though the ICT mode is continuing in parallel. Of course several modes of new learning models are emerging across the globe. Two mostly discussed and emerging teaching models are Hybrid and Blended which are often be mistaken for one another although both contain certain similar instructional elements with certain distinctive features. In case of Hybrid teaching method, teacher can teach both in-person and remote students at the same time. Of course asynchronous teaching methods can be utilized to complement the face-to-face interaction. In contrast, blended model uses the in-person teaching by utilizing instructional videos and online assignments. It will be prudent to use hybrid model for training of teachers at NITTR Kolkata. However the hybrid

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Prof. Debi Prasad Mishra
Director, NITTR, Kolkata

ARTICLE

LOOKING BACK – REFLECTIONS: ME & NITTR, Kolkata

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Introduction

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The environment and the academic atmosphere here seems to totally different from a standard Technological Institute. When I joined, the programme schedule for 2008-2009 was finalised. Hence I got a breathing space to acclimatise myself to the system. I was in a dilemma. First what is training all about? Second I have to deal with teachers, who has experience of teaching and some of them are highly experienced. I need to offer a list of preconceived programmes for a whole academic year by January 2009.

What I am going to offer? I discussed with the senior faculty members and others who are offering training programme for a long time. One of my senior colleagues, suggested that you think of an area from your specialization, you felt disadvantaged while teaching and not offered by the department in recent times. That was the beginning. It was 'Soil exploration and site Investigation', the most important and neglected topic in Civil Engineering curriculum. The course was offered in first week of June 2009, if I remember the applicants was 36, out of which 29 attended the programme. Participants were taken for a site visit and an Industry expert was invited to deliver talks to the participants. It was quite a successful in terms of quantity (number of participants) and I felt that the participants were satisfied. Online programme was not there in distant dream.

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I came across the term "PEDAGOGY". Rarely spoken about in academic circles in engineering colleges in those days. I was told that it is related to various teaching techniques, assessment, and feedback mechanism. Then I realise that we were all doing it, may not be in a formative way. Basically I understood that it was all about how to teach? How to approach teaching? Though we were not formally trained as a teacher in earlier days, we got the necessary inputs from our senior colleagues and teachers, who were always there to offer helping hands for any kind of discomfort and problem faced during toddling years as a teacher. Now, I realise that all those can be imbibed in terms of structured training programmes.

With those in my thoughts, I tried to incorporate them in my programmes and realise it is not conventional teaching as we are habituated. As time passed, it is realised that the training is of vital importance particularly for young faculty members for their career advancement as well as in induction and continuation in their career as teaching requires continuous content upgradation with rapid development and change in teaching methodologies.

In NITTR's, the main focus is in service technical teacher's training as the name itself suggest. But sometimes, we, ourselves, don't give due credence to it. Is it because, in back of our mind, we always think about the conventional teaching in UG and PG classes. We forget to our convenience that these Institutes were conceived and created for specific purposes. With changing time, we may have to adjust, but not relegating us by comparing with those with different

mission and vision. There are hundreds of Institutions in the conventional categories but we are four specials and unique. We have to look into the aspect of training as now premier Institutes are also offering training programmes.

I may be wrong, but have the gut feeling that we ourselves don't give importance to us. Being in various academic institution as faculty member, I can say with conviction that the academic and other load of a faculty member in NITTR Kolkata cannot be compared at all with other academic institutions. It is much more by any yardstick. But at the end of the day we stay vindicated. For the departments, offering PG programmes, on top of regular PG classes, each of us is offering 10 to 12 STTP's. In this way, we are not able to do justice always to programmes. The special efforts by Education & management cannot be measured, all the bulls work are carried out by them on top of the regular STTP programmes.

We talk of STTP's only regarding achieving targets in terms of participant's week. Quality has taken a back seat. May be we don't have any alternative. As far as other activities, since we are few in numbers, it become mandatory many times not a rotational one as in other places.

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58	Habiba Hussain	ICT301	Leadership in Academia	21/03/2022	25/03/2022
59	Sheela Yadav Rai	ICT302	Renewable Energy Sources and Emerging Technologies	21/03/2022	25/03/2022
60	Subrata Mondal	ICT303	Fundamental and Applications of Nanomaterials	21/03/2022	25/03/2022
61	Sukanta Kumar Naskar	ICT304	HRD through Training and Development	21/03/2022	25/03/2022
62	Dipankar Bose	ICT305	Hybrid Machining	21/03/2022	25/03/2022
63	Jagat Jyoti Mandal	ICT306	Geotechnical Aspects of Pile Foundations	21/03/2022	25/03/2022
64	Arpan Kumar Mandal & Ranjan Dasgupta	ICT307	NBA Accreditation Issues	28/03/2022	01/04/2022
65	Urmila Kar	ICT233	Active Learning under Engineering Education	28/03/2022	01/04/2022
66	Mithu Dey	CU01	Earthquake Resistant Structures (special emphasis will be given on FEMA-356, IS 1893-2016 and IS 13920-2016)	04/04/2022	08/04/2022
67	Kinsuk Giri	CU02	Introduction to SCILAB	04/04/2022	08/04/2022
68	Sukanta Kumar Naskar & Arpan Kumar Mandal	MGTO1	Managerial and Technical Skills for Non-Teaching Employees	04/04/2022	08/04/2022
69	Sagarika Pal	PS01	Development of Laboratory Instruction and Manual	04/04/2022	08/04/2022
70	Sheela Yadav Rai	CU03	Power Generation from Energy Resources	04/04/2022	08/04/2022
71	Soumitra Kumar Mandal	CU04	Analog Electronics	04/04/2022	08/04/2022
72	Rajeev Chatterjee & Ranjan Dasgupta	CU05	Design and Development of Content for e-Learning	04/04/2022	15/04/2022
73	Nirmal Kumar Mandal	CU06	Refresher Course on Mechanical Engineering	11/04/2022	22/04/2022
74	Rajeev Chatterjee	CU07	Introduction to Coding Theory	18/04/2022	22/04/2022
75	Urmila Kar	PS02	Designing Curriculum under OBE	18/04/2022	22/04/2022
76	Sheela Yadav Rai	PS03	Role of Technical Institutions in Community Development	18/04/2022	22/04/2022
77	Subrata Mondal	PS04	Entrepreneurship Development	18/04/2022	22/04/2022
78	Sailendra Nath Mandal	PS05	Environmental Sampling and Analysis	18/04/2022	29/04/2022
79	Chandan Chakraborty	MGTO2	Refresher Course on Research Methodology	18/04/2022	29/04/2022
80	Jagat Jyoti Mandal	CU08	Refresher Course in Geotechnical Engineering	25/04/2022	29/04/2022
81	Sukanta Kumar Naskar	MGTO3	Institutional Management and Administrative Procedures	25/04/2022	29/04/2022
82	Prasanta Sarkar	CU09	Modern Control	25/04/2022	29/04/2022
83	Subrata Chattopadhyay	CU10	DC Machines and Transformer	25/04/2022	29/04/2022

Workshop / Seminars

National Seminar (web) on Composite Materials

Under the patronage of the Director, Prof. Debi Prasad Mishra, the Department of Mechanical Engineering, National Institute of Technical Teachers' Training and Research (NITTR) Kolkata has been organized a national seminar (web) on "Composite Materials" on 26th March 2022 to bring together researchers, students, faculty members, technical staffs and industry personnel to share their knowledge in the fields of composite materials, properties and testing. Objectives of the national seminar were: (i) to share insight into various composite materials in order to design efficient and safe manufacturing processes; (ii) to explore applications of various composite materials; (iii) to explore challenges to fabricate composite and nanocomposite materials etc.

Dr. Debi Prasad Mishra, Professor and Director, NITTR Kolkata welcomed the guests and participants. In the welcome speech, Prof. Mishra stressed upon the

sustainable composite materials for the welfare of mankind. Dr. Mishra has also discussed the composite materials in ancient times and applications of various matrix based composite materials. Dr. Uday Shankar Dixit, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Guwahati was the Chief Guest for the inaugural session of the national seminar. In the inaugural speech Prof. Dixit has been nicely discussed the concept of composite materials, their different phases and properties. Further, Dr. Dixit stressed upon the mechanics of composite materials, natural reinforcement based composite materials and manufacturing of composite materials.

In the presentation and discussion session, Dr. Sivanandam Aravindan, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Delhi gave a talk on joining of composites, Dr. Devendran Thirunavukarasu, Technical Director, ST Advanced Composites Pvt. Ltd., Chennai discussed the development and characterization of the natural fiber reinforced thermoplastic composites. Dr. Shailish I. Kundalwal, Associate Professor, Department of

Muley Shivani S.



Message from Director



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The journey started and it was engrossing and riveting as far as the future STTP's with final frontier in terms of online programmes due to COVID 19.

I came across the term "PEDAGOGY". Rarely spoken about in academic circles in engineering colleges in those days. I was told that it is related to various teaching techniques, assessment, and feedback mechanism. Then I realise that we were all doing it, may not be in a formative way. Basically I understood that it was all about how to teach? How to approach teaching? Though we were not formally trained as a teacher in earlier days, we got the necessary inputs from our senior colleagues and teachers, who were always there to offer helping hands for any kind of discomfort and problem faced during toddling years as a teacher. Now, I realise that all those can be imbibed in terms of structured training programmes.

With those in my thoughts, I tried to incorporate them in my programmes and realise it is not conventional teaching as we are habituated. As time passed, it is realised that the training is of vital importance particularly for young faculty members for their career advancement as well as in induction and continuation in their career as teaching requires continuous content upgradation with rapid development and change in teaching methodologies.

In NITTR's, the main focus is in service technical teacher's training as the name itself suggest. But sometimes, we, ourselves, don't give due credence to it. Is it because, in back of our mind, we always think about the conventional teaching in UG and PG classes. We forget to our convenience that these Institutes were conceived and created for specific purposes. With changing time, we may have to adjust, but not relegating us by comparing with those with different

mission and vision. There are hundreds of Institutions in the conventional categories but we are four specials and unique. We have to look into the aspect of training as now premier Institutes are also offering training programmes.

I may be wrong, but have the gut feeling that we ourselves don't give importance to us. Being in various academic institution as faculty member, I can say with conviction that the academic and other load of a faculty member in NITTR Kolkata cannot be compared at all with other academic institutions. It is much more by any yardstick. But at the end of the day we stay vindicated. For the departments, offering PG programmes, on top of regular PG classes, each of us is offering 10 to 12 STTP's. In this way, we are not able to do justice always to programmes. The special efforts by Education & management cannot be measured, all the bulls work are carried out by them on top of the regular STTP programmes.

We talk of STTP's only regarding achieving targets in terms of participant's week. Quality has taken a back seat. May be we don't have any alternative. As far as other activities, since we are few in numbers, it become mandatory many times not a rotational one as in other places.

My stay in NITTR, Kolkata has opened a new domain and added a new dimension to my thought process. It has given me acquaintance to teaching and technical support staffs from various polytechnics and engineering colleges particularly from Eastern zone and north eastern states with direct face to face interaction. It is not that earlier participants from other parts of the country was not attending but limited to that from Government and Government sponsored institutions due to the financial assistance provided to them. But the ICT based programmes (with its obvious limitation) broke the barrier and the acquaintance became truly pan Indian.

I was very lucky to participate in various Regional Workshops on Technical Education System, organized by the Institute, and held periodically in different north

eastern states and in the capacity of coordinator in the 5th regional workshop held at Guwahati in April 2019. Curriculum development and revision was an alien field during my earlier career. NITTR, Kolkata gave me the opportunity to learn the nuances of curriculum development and revision, particularly for diploma level and allowed me to participate in many workshops conducted by Curriculum development cell of the Institute.

I like to express my sincere thanks all my colleagues, technical & other support staffs from various departments, who has done commendable job with the resources we have and for guiding me in my effort to be a trainer.

I like to express my sincere thanks to our very young and dynamic colleagues for their ever willing attitude to help out in all problems in odd hours, particularly during conduction of online programmes and accepting me as one of them.

Finally, I like to acknowledge the cooperation I received from all the respected Directors, under whose guidance, my stay in NITTR, Kolkata became a memorable one.

Teachers' Training

Teachers' Training During the period of January - April 2022: 5677 numbers of Technical Teachers have been trained, through various Short-Term Training Programmes, broadly in the areas of Content Updating, Management, Pedagogy and Professional Skill development. A total of 83 training programs were conducted for the Teachers and Technicians of different Polytechnic colleges and Engineering colleges all over the Country during the 1st Quarter of the Year 2022. Due to the Pandemic situation, most of the programmes have been conducted in online mode along with few programmes through Contact Mode.

List of Training Programmes (January – April, 2022)

Sr. No.	Programme Co-ordinator	Programme Code	Programme Title	From	To
1	Habiba Hussain	ICT244	Online Pedagogy	03/01/2022	07/01/2022
2	Rajeev Chatterjee	ICT245	Introduction to Coding Theory	03/01/2022	07/01/2022
3	Sagarika Pal	ICT246	Induction Training	03/01/2022	07/01/2022
4	Soumitra Kumar Mandal	ICT247	LABVIEW & MATLAB Applications in Engineering	03/01/2022	07/01/2022
5	Subrata Chattopadhyay	ICT248	Sensor Transducer And Signal Conditioning	03/01/2022	07/01/2022
6	Uday Chand Kumar	ICT249	Rural Engineering	03/01/2022	07/01/2022
7	Rayapati Subbarao	ICT266	NBA Accreditation and SAR preparation	03/01/2022	07/01/2022
8	Dipankar Bose	ICT250	Fusion Welding Processes	10/01/2022	14/01/2022

Sr. No.	Programme Co-ordinator	Programme Code	Programme Title	From	To
58	Habiba Hussain	ICT301	Leadership in Academia	21/03/2022	25/03/2022
59	Sheela Yadav Rai	ICT302	Renewable Energy Sources and Emerging Technologies	21/03/2022	25/03/2022
60	Subrata Mondal	ICT303	Fundamental and Applications of Nanomaterials	21/03/2022	25/03/2022
61	Sukanta Kumar Naskar	ICT304	HRD through Training and Development	21/03/2022	25/03/2022
62	Dipankar Bose	ICT305	Hybrid Machining	21/03/2022	25/03/2022
63	Jagat Jyoti Mandal	ICT306	Geotechnical Aspects of Pile Foundations	21/03/2022	25/03/2022
64	Arpan Kumar Mandal & Ranjan Dasgupta	ICT307	NBA Accreditation Issues	28/03/2022	01/04/2022
65	Urmila Kar	ICT233	Active Learning under Engineering Education	28/03/2022	01/04/2022
66	Mithu Dey	CU01	Earthquake Resistant Structures (special emphasis will be given on FEMA-356, IS 1893-2016 and IS 13920-2016)	04/04/2022	08/04/2022
67	Kinsuk Giri	CU02	Introduction to SCILAB	04/04/2022	08/04/2022
68	Sukanta Kumar Naskar & Arpan Kumar Mandal	MGTO1	Managerial and Technical Skills for Non-Teaching Employees	04/04/2022	08/04/2022
69	Sagarika Pal	PS01	Development of Laboratory Instruction and Manual	04/04/2022	08/04/2022
70	Sheela Yadav Rai	CU03	Power Generation from Energy Resources	04/04/2022	08/04/2022
71	Soumitra Kumar Mandal	CU04	Analog Electronics	04/04/2022	08/04/2022
72	Rajeev Chatterjee & Ranjan Dasgupta	CU05	Design and Development of Content for e-Learning	04/04/2022	15/04/2022
73	Nirmal Kumar Mandal	CU06	Refresher Course on Mechanical Engineering	11/04/2022	22/04/2022
74	Rajeev Chatterjee	CU07	Introduction to Coding Theory	18/04/2022	22/04/2022
75	Urmila Kar	PS02	Designing Curriculum under OBE	18/04/2022	22/04/2022
76	Sheela Yadav Rai	PS03	Role of Technical Institutions in Community Development	18/04/2022	22/04/2022
77	Subrata Mondal	PS04	Entrepreneurship Development	18/04/2022	22/04/2022
78	Sailendra Nath Mandal	PS05	Environmental Sampling and Analysis	18/04/2022	29/04/2022
79	Chandan Chakraborty	MGTO2	Refresher Course on Research Methodology	18/04/2022	29/04/2022
80	Jagat Jyoti Mandal	CU08	Refresher Course in Geotechnical Engineering	25/04/2022	29/04/2022
81	Sukanta Kumar Naskar	MGTO3	Institutional Management and Administrative Procedures	25/04/2022	29/04/2022
82	Prasanta Sarkar	CU09	Modern Control	25/04/2022	29/04/2022
83	Subrata Chattopadhyay	CU10	DC Machines and Transformer	25/04/2022	29/04/2022

Workshop / Seminars

National Seminar (web) on Composite Materials

Under the patronage of the Director, Prof. Debi Prasad Mishra, the Department of Mechanical Engineering, National Institute of Technical Teachers' Training and Research (NITTR) Kolkata has been organized a national seminar (web) on "Composite Materials" on 26th March 2022 to bring together researchers, students, faculty members, technical staffs and industry personnel to share their knowledge in the fields of composite materials, properties and testing. Objectives of the national seminar were: (i) to share insight into various composite materials in order to design efficient and safe manufacturing processes; (ii) to explore applications of various composite materials; (iii) to explore challenges to fabricate composite and nanocomposite materials etc.

Dr. Debi Prasad Mishra, Professor and Director, NITTR Kolkata welcomed the guests and participants. In the welcome speech, Prof. Mishra stressed upon the

sustainable composite materials for the welfare of mankind. Dr. Mishra has also discussed the composite materials in ancient times and applications of various matrix based composite materials. Dr. Uday Shankar Dixit, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Guwahati was the Chief Guest for the inaugural session of the national seminar. In the inaugural speech Prof. Dixit has been nicely discussed the concept of composite materials, their different phases and properties. Further, Dr. Dixit stressed upon the mechanics of composite materials, natural reinforcement based composite materials and manufacturing of composite materials.

In the presentation and discussion session, Dr. Sivanandam Aravindan, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Delhi gave a talk on joining of composites, Dr. Devendran Thirunavukarasu, Technical Director, ST Advanced Composites Pvt. Ltd., Chennai discussed the development and characterization of the natural fiber reinforced thermoplastic composites. Dr. Shailish I. Kundalwal, Associate Professor, Department of