»» ABOUT THE INSTITUTE

The Anjuman College of Engineering and Technology [A.C.E.T.] is managed by Anjuman Hami-E-Islam, Nagpur. It is a pioneer Educational Trust, serving the cause of education in the Central region for well over 130 years. Anjuman Hami-E-Islam established an Engineering College from academic year 1999 as a medium of imparting quality technical education to aspiring students, reaching to all the section of the society, irrespective of caste creed and religion. The college is affiliated to the R.T.M. Nagpur University, Nagpur, and is recognised by the Government of Maharashtra and approved by the All India Council of Technical Education, New Delhi and Accredited by NAAC.

»» ABOUT THE DEPARTMENT

The Department of Electrical Engineering had been established in the year 1999-2000. Since then, the department has made landmark contributions to the development of cutting edge technology. The department has well furnished and spacious laboratories as per AICTE norms with state of the art equipment in all the laboratories and dedicated 100 Mbps internet leased line. The teaching faculty is highly qualified, experienced and involved in research and development.

The department publishes News letter which provides panoramic retrospection of round the year activities of department. The department has formed the student forum named PHOENIX. Under this banner students of the department conduct various technical and non-technical activities for their overall development. Also, looking into the need of the day, there is a Energy Conservation Cell in addition to PHOENIX. This cell creates awareness among the students and the society about energy conservation which is major issue nowadays.

»» RESOURCE PERSONS

Eminent Researchers and Academicians.

NO REGISTRATION FEES

»» REGISTRATION GUIDELINES

Register on following link before 30th May 2020

https://docs.google.com/forms/d/e/1FAIpQLSfS3jDaS60oSAyr8tk7aJmTm5pa7An8aEQprHua5ZnM4P0Kgg/viewform

ANJUMAN COLLEGE OF ENGINEERING & TECHNOLOGY

One Week Online
Faculty Development Program
On
OPPORTUNITIES & CHALLENGES IN ELECTRICITY MARKET FOR THE UPCOMING DECADES

1st to 5th June 2020

Organized by
DEPARTMENT OF ELECTRICAL ENGINEERING

Dr. S.M. ALI
Principal

Dr. Archana Shirbhate
Convener & HOD, EE

Prof. Mohd. Safique
Coordinator FDP
+91- 8669118585

Prof. Yasmin Sayeed
Coordinator FDP
+91-75586 17565

Prof. Ruhi Uzma Sheikh
Coordinator FDP
+91-9595221630

STC ON

ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYSIS FOR ELECTRICAL ENGINEERING

7TH TO 11TH MARCH , 2022

COURSE CONTENT

- Basics of Neural Network
- MLP, Back Propagation and Associative Memory
- Self-organizing MAPs and ART Neural Network
- AI based adaptive control technique for grid integrated solar energy conversion system
- Basics of Big data analysis in Smart Grid
- Basic concepts of statistics, correlation and regression
- Data preprocessing and Basic concept of supervised and unsupervised learning
- Classification problem using MATLAB
- Handling Time series data for prediction using MATLAB –
- Handling large files and Big data using MATLAB
- Unsupervised deep learning and analysis of harmonic variation patterns using big data obtained from EV charging
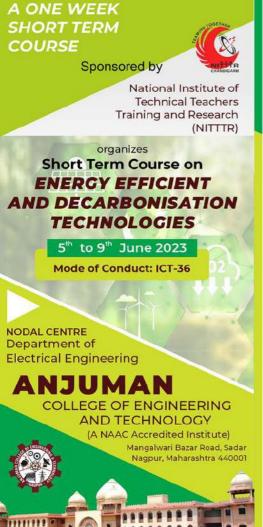- MATLAB and Python for harmonic analysis

CONTACT US

Dr. Shimi Sudha Letha
Assistant Professor, EE
NITTTR, Chandigarh
shimi.reji@nitttrchd.ac.in
+91 9417588987

REGISTER VIA LINK

https://www.ulektzcampus.com/nitttr

A ONE WEEK SHORT TERM COURSE

Sponsored by

National Institute of Technical Teachers Training and Research (NITTTR)

organizes

Short Term Course on
ENERGY EFFICIENT AND DECARBONISATION TECHNOLOGIES

5th to 9th June 2023

Mode of Conduct: ICT-36

NODAL CENTRE
Department of Electrical Engineering

ANJUMAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
(A NAAC Accredited Institute)

Mangalwari Bazar Road, Sadar
Nagpur, Maharashtra 440001

ABOUT THE INSTITUTE

The Anjuman College of Engineering and Technology [ACET] is managed by Anjuman Hami-E-Islam, Nagpur. It is a pioneer Educational Trust, serving the cause of education in the Central region for well over 130 years. Anjuman Hami-E-Islam established an Engineering College from academic year 1999 as a medium of imparting quality technical education to aspiring students, reaching to all the section of the society, irrespective of caste creed and religion. The college is affiliated to the R.T.M. Nagpur University, Nagpur, and is recognised by the Government of Maharashtra and approved by the All India Council of Technical Education, New Delhi and Accredited by NAAC.

ABOUT THE DEPARTMENT

The Department of Electrical Engineering has been established in the year 1999-2000. Since then the Department of Electrical Engineering has made landmark contributions to the development of cutting edge technology. Electrical Engineering is a basic branch of engineering that deals with the study and applications in various fields like Electrical, Electronics, Computer and many more. Electrical engineers are usually concerned with variety of applications and hence demanded in many of the areas of engineering. The department has well furnished and spacious laboratories as per AICTE norms with state of the art equipment in all the laboratories. The teaching faculty is highly qualified, experienced and involved in research and development.

REGISTRATION IS OPEN TO:

The course is open to all the faculty members, from educational / research institutions. Working Professionals from Industry and R&D Organizations.

HOW TO APPLY:

NEW USER click here to register.
https://fdp.nitttrchd.ac.in/backingup/

Step 1 : All participants are required to create their online account through one time registration as new user. After registration, participants: a) can Manage/Update their profile. b) Apply for Training Programme c) View all the Trainings they have applied and attended.

Step 2 : Verify mobile no through OTP. (without mobile no verification participants will not be able to login to their account)

Step 3 : After login, participant has to click on Apply for STC menu in the left panel.

Step 4 : Select the Department and Mode to search the Course.

Step 5 : Apply for the desired Training/Short Term Course (ICT-36)

Step 6 : You need to pay one time convenience fee of Rs 100 (valid for one financial year for all NITTTR, Chandigarh courses).

If you have already paid the convenience fee for the previous course then pay the course fee of Rs. 118 only.

Step 8 : Download Application form under STC Applied menu in the left panel, Print it, get it duly signed by Competent Authority of your Institution

Step 8 : Upload the signed Application form/sponsorship letter

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under upload sponsorship menu in the left panel

Step 9 : Confirmation to the participants will be sent by the programme coordinator

Step 10 : All confirmed participants must Join online / offline (as per the mode of course conduct) at 9:30 am on the starting day of the training

Step 11: After Successful registration on NITTTR portal kindly fill the Google form with this link https://forms.gle/ndtoeoyn7u33xqJZA

Step 12 : After successful completion of the course, participants can download completion certificate of Short Term Courses/Faculty Development Programmes.

COURSE OBJECTIVES

- To make the participants aware regarding the important aspects of Pollution, Decarbonisation and Sustainable Development
- To update the knowledge of participants with respect to Energy efficiency and Energy audit
- To upgrade knowledge regarding various Clean and Green technologies and Schemes for propagating the same
- To apprise the participants regarding different green technologies in the areas of renewable energy, wastewater management, pollution control and mitigation, smart grid etc.

IMPORTANT DATES:

Last date of registration: 2nd June 2023

IMPORTANT NOTE:

- Attendance is compulsory in all sessions.
- Certificate will be issued to with more than 80% attendance.
- Certificate will issued by NITTTR-Chandigarh

RESOURCE PERSON

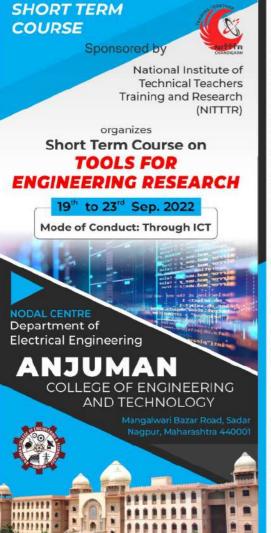Various experts from , Industry and Academia will be engaging sessions.

For any queries regarding this course please contact the Coordinator

TECHNICAL COORDINATOR
Prof. AKIL AHEMAD
Mobile No.: 8788740805

NODAL CENTRE COORDINATOR
Dr. RUHI UZMA SHEIKH
Mobile: 9595221630
HOD, DEPT. OF ELECTRICAL ENGG., ACET

Dr. SYED MOHAMMAD ALI
PRINCIPAL, ACET

A ONE WEEK SHORT TERM COURSE

Sponsored by

National Institute of Technical Teachers Training and Research (NITTTR)

organizes

Short Term Course on
TOOLS FOR ENGINEERING RESEARCH

19th to 23rd Sep. 2022

Mode of Conduct: Through ICT

NODAL CENTRE
Department of Electrical Engineering

ANJUMAN
COLLEGE OF ENGINEERING AND TECHNOLOGY

Mangalwari Bazar Road, Sadar
Nagpur, Maharashtra 440001

ABOUT THE INSTITUTE

The Anjuman College of Engineering and Technology [ACET] is managed by Anjuman Hami-E-Islam, Nagpur. It is a pioneer Educational Trust, serving the cause of education in the Central region for well over 130 years. Anjuman Hami-E-Islam established an Engineering College from academic year 1999 as a medium of imparting quality technical education to aspiring students, reaching to all the section of the society, irrespective of caste creed and religion. The college is affiliated to the R.T.M. Nagpur University, Nagpur, and is recognised by the Government of Maharashtra and approved by the All India Council of Technical Education, New Delhi and Accredited by NAAC.

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The Department of Electrical Engineering has been established in the year 1999-2000. Since then the Department of Electrical Engineering has made landmark contributions to the development of cutting edge technology. Electrical Engineering is a basic branch of engineering that deals with the study and applications in various fields like Electrical, Electronics, Computer and many more. Electrical engineers are usually concerned with variety of applications and hence demanded in many of the areas of engineering. The department has well furnished and spacious laboratories as per AICTE norms with state of the art equipment in all the laboratories. The teaching faculty is highly qualified, experienced and involved in research and development.

COURSE CONTENTS :

- Research Project Proposal preparation and implementation: Case study on real time projects at CSIO
- Acquiring data from hardware through IoT, Pre processing, Analysis and visualization
- Feature Engineering : Analysis, selection and model building using Machine learning Techniques
- Algorithms for uncertainty analysis
- RTI and Hardware validation techniques
- Plagiarism, IPR, Mendeley and LaTex software
- Result Oriented Papers, Comprehensive Literature Review (CLR): Rules, Types (Methodological, Historical, Theoretical etc.), Structure & Organization with Examples
- Systematic Literature Review: Understanding PRISMA Flow Guidelines Formation of Search Query, Identifying Literature from Databases, Screening
- Organizing; Rules and Techniques with Examples.

REGISTRATION IS OPEN TO:

The course is open to all the faculty members, from educational / research institutions. Working Professionals from Industry and R&D Organizations. **NO REGISTRATION FEES**

IMPORTANT DATES:

Last date of registration: **15th September 2022**

IMPORTANT NOTE:

- Attendance is compulsory in all sessions.
- Certificate will be issued to with more than 80% attendance.
- Certificate will issued by NITTTR-Chandigarh

RESOURCE PERSON

Various experts from Industry and Academia will be engaging sessions.

HOW TO APPLY:

Step 1: https://fdp.nitttrchd.ac.in/backingup/
Click on NEW User click here to register, For registration

Step 1 : All participants are required to create their online account through one time registration as new user. Register Here After registration, participants: a) can Manage/Update their profile. b) Apply for Training Programme c) View all the Trainings they have applied and attended.

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Step 5 : Apply for the desired Training/Short Term Course

Step 6 : Download Application form under STC Applied menu in the left panel, Print it, get it duly signed by Competent Authority of your Institution

Step 7 : Upload the signed Application form/sponsorship letter under upload sponsorship menu in the left panel

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Step 9 : All confirmed participants must Join online / offline (as per the mode of course conduct) at 9:30 am on the starting day of the training

Step 10 : After successful completion of the course, participants can download completion certificate of Short Term Courses/Faculty Development Programmes.

After Successful registration on NITTTR portal kindly fill the Google form with this link https://forms.gle/hupgG6s8R8oEEZjc7

For any queries regarding this course please contact the Coordinator

INSTITUTE COORDINATOR
Prof. NAWAZ SHEIKH
Mobile No.: 8055999059

Prof. ISHRAQUE AHMED
Mobile No.: 8888831292

NODAL CENTRE COORDINATOR
Dr. RUHI UZMA SHEIKH
HOD, DEPT. OF ELECTRICAL ENGG., ACET

Dr. SYED MOHAMMAD ALI
PRINCIPAL, ACET

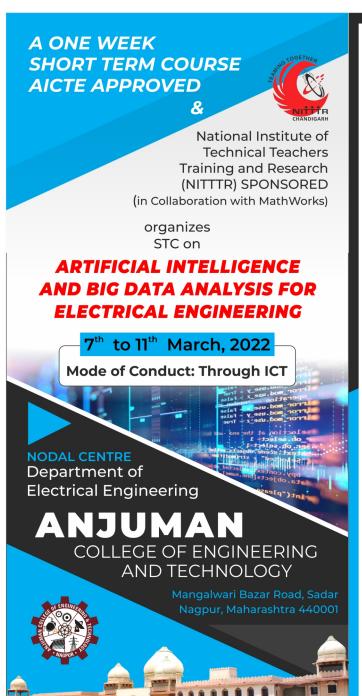# ANJUMAN COLLEGE OF ENGINEERING AND TECHNOLOGY, SADAR NAGPUR

ORGANIZES

ONE WEEK FACULTY DEVELOPMENT PROGRAM

ON

"OPPORTUNITIES AND CHALLENGES IN ELECTRICITY MARKET FOR THE UPCOMING DECADES"

Schedule of FDP (1st – 5th June 2020)

Date	Day	Session	Time	Speaker	Topic
1st June 2020	Monday	Session-I	10:00 a.m to 12:30 p.m	Mr. Y. S. Rao (10:00 to 11:30AM) Title: Pilferage of Electricity Remedial measures and Challenges	Dr Prashant R Rothe (11:30AM to 12:30PM) Title: Artificial Neural Network with Application to Challenges in Electricity market
		Session-II	2:00 p.m to 3.30 p.m	Dr. Anish Tiwari	Mitigation of challenges in Grid integration
2nd June 2020	Tuesday	Session-I	11:00 a.m to 12:30 p.m	Dr. Dhomne	Smart Grid Technology
		Session-II	2:00 p.m to 3.30 p.m	Dr. Santosh Patani	Best Practices in MSEDCL Basic of Electricity Tariff
3rd June 2020	Wednesday	Session-I	11:00 a.m to 12:30 p.m	Dr. Nitin Gharghare	Optimization techniques & application in power system
		Session-II	2:00 p.m to 3.30 p.m	Dr.KishorBhadane	Electrical Vehicle: Opportunity, Challenges and strategies for future development by 2030
4th June 2020	Thursday	Session-I	11:00 a.m to 12:30 p.m	Dr. Suresh Padmanaban	Transformation of Electricity market into digital energy network, challenges and Opportunities
		Session-II	2:00 p.m to 3.30 p.m	Dr. Rahul Agrawal	Power Electronics Technology used in Electrical Vehicle
5th June 2020	Friday	Session-I	11:00 a.m to 12:30 p.m	Dr. V.K. Khare	Indian Power Scenario & Future
		Session-II	2:00 p.m to 3.30 p.m	Dr. R. N. Patel	D.C.Homes: A sustainable energy solution for India

Prof. Mohammed Safique   Prof. Yasmin Sayeed   Prof. Ruhi Uzma Sheikh   Dr. Archana Shirbhate   Dr. S.M. Ali
Coordinator FDP   Coordinator FDP   Coordinator FDP   Convenor FDP & HOD EE, ACET   Principal,ACET

A ONE WEEK SHORT TERM COURSE AICTE APPROVED

&

National Institute of Technical Teachers Training and Research (NITTTR) SPONSORED
(in Collaboration with MathWorks)

organizes
STC on

ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYSIS FOR ELECTRICAL ENGINEERING

7th to 11th March, 2022

Mode of Conduct: Through ICT

NODAL CENTRE
Department of
Electrical Engineering

ANJUMAN
COLLEGE OF ENGINEERING AND TECHNOLOGY

Mangalwari Bazar Road, Sadar
Nagpur, Maharashtra 440001

ABOUT THE INSTITUTE

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REGISTRATION IS OPEN TO:

The course is open to all the faculty members, from educational / research institutions. Working Professionals from Industry and R&D Organizations.

HOW TO APPLY:

for the course using the below link.
https://www.ulektzcampus.com/nitttr
Go to Electrical Engineering department and select the 'Artificial Intelligence and Big Data Analysis for Electrical Engineering' course and Apply.

You need to pay one time convenience fee of Rs 100 (valid for one financial year for all NITTTR, Chandigarh courses).

If you have already paid the convenience fee for the previous course then pay the course fee of Rs. 118 only.

Also fill up the Google form for the course in the link given below: https://forms.gle/4WJbhzn8FskqaTHP9

COURSE CONTENTS :

- Basics of Neural Network
- MLP, Back Propagation and Associative Memory
- Self-organizing MAPs and ART Neural Network
- AI based adaptive control technique for grid integrated solar energy conversion system
- Basics of Big data analysis in Smart Grid
- Basic concepts of statistics, correlation and regression
- Data pre-processing and Basic concept of supervised and unsupervised learning
- Classification problem using MATLAB
- Handling Time series data for prediction using MATLAB
- Handling large files and Big data using MATLAB
- Unsupervised deep learning and analysis of harmonic variation patterns using big data obtained from EV charging
- MATLAB and Python for harmonic analysis

IMPORTANT DATES:

Last date of registration: **04th March 2022**

IMPORTANT NOTE:

- Attendance is compulsory in all sessions.
- Certificate will be issued to with more than 80% attendance.
- Certificate will issued by NITTTR-Chandigarh

RESOURCE PERSON

Various experts from MathWorks, Industry and Academia will be engaging sessions.

For any queries regarding this course please contact the Coordinator

NODAL CENTRE COORDINATOR
Dr. RUHI UZMA SHEIKH
Assistant Professor
Mobile: 9595221630
Email: rusheikh@anjumanengg.edu.in

Dr. ARCHANA SHIRBHATE
HEAD OF DEPT (EE), ACET

Dr. SYED MOHAMMAD ALI
PRINCIPAL, ACET

National Institute of Technical Teachers Training and Research, Chandigarh
Electrical Engineering Department
Online STC on
Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with
MathWorks)
(O. PLAN No. EE12) 07/03/2022 to 11/03/2022
TENTATIVE TIME-TABLE

DAY & DATE	Live Session - 1 9.30 AM to 11. 00 AM (IST)	Live Session - 2 11.30 AM to 1.00 PM (IST)	Live Session - 3 2.30 PM to 4.00 PM (IST)
Monday 07/03/2022	Basics of Neural Network (SSL)	MLP, Back Propagation and associative Memory (LM)	Self-organizing MAPs and ART Neural Network (LM)
Tuesday 08/03/2022	AI based adaptive control technique for grid integrated solar energy conversion system (NK)	Basics of Big data analysis in Smart Grid (RT)	Basic concepts of statistics, correlation and regression (RB)
Wednesday 09/03/2022	Data preprocessing and Basic concept of supervised and unsupervised learning (RB)	Classification problem using MATLAB – (Importing and preprocessing data, Engineering features, classification model with Handwriting data) (SSL)	Deep Learning Overview (MMZ)
Thursday 10/03/2022	End-to-end workflow with application in energy forecasting- (PR/MP)	Big Data Handling (PR/MP)	Multi-mode data handling (MMZ)
Friday 11/03/2022	Unsupervised deep learning and analysis of harmonic variation patterns using big data obtained from EV charging (RAO)	MATLAB and Python for harmonic analysis (RAO)	Classification Learner MATLAB App Valediction / Feedback (SSL)

LM : Prof. Lini Mathew, Professor, NITTTR, Chandigarh

SSL : Dr. Shimi S.L, Assistant Professor, NITTTR, Chandigarh

RT : Dr. Ritula Thakur, Associate Professor, NITTTR, Chandigarh

RB: Dr. Reji Bhuvanendran, Assistant Director, Directorate of Census Operations, Chandigarh

NK : Dr. Nishant Kumar, Assistant Professor, Indian Institute of Technology Jodhpur

PR/MP: Pratyush Roy/Monalisa Pal, MathWorks, USA

MMZ: Mr. MM Zafar, National Technical Manager-MathWorks, Design Tech Systems Pvt. Ltd, New Delhi

RAO: Mr. Roger Alves de Oliveira, PhD Student, LTU, Sweden

Course Coordinator: Dr. Shimi S.L, Assistant Professor, Electrical Engineering Department, NITTTR Chandigarh

Nodal Centre: Anjuman College of Engineering and Technology, Sadar, Nagpur

Nodal Centre Coordinator: Dr. Ruhi Uzma Sheikh, Assistant Professor**,** Electrical Engineering Department, ACET, Nagpur

National Institute of Technical Teachers Training and Research, Chandigarh
Electrical Engineering Department
Online STC on
'Tools for Engineering Research', during 19th to 23rd September 2022

TENTATIVE TIME-TABLE

DAY & DATE	Live Session - 1 9.30 AM to 11. 00 AM (IST)	Live Session - 2 11.30 AM to 1.00 PM (IST)	Live Session - 3 2.30 PM to 4.00 PM (IST)
Monday 19/09/2022	Plagiarism, Mendeley (SSL)	Research Project Proposal preparation and implementation : Case study on real time projects at CSIO (BB)	Artificial Intelligence and optimization for Engineering Research (SSL)
Tuesday 20/09/2022	Acquiring data from hardware through IoT, Pre processing , statistical Analysis and visualization (JS)	Feature Engineering Analysis, selection and model building using Machine learning Techniques (JS)	Human Inspired Optimization Algorithm (RK)
Wednesday 21/09/2022	Reliability Evaluation of Restructured Power System with Integration of RES and Electric Vehicle (SK)	Big Data analytics for Electrical Engineering (SSL)	Research, Innovation and IPR (PS)
Thursday 22/09/2022	LaTex software (MAS)	LaTex software (MAS)	RTI and Hardware validation for research problem (SSL)
Friday 23/09/2022	Result Oriented Papers, Comprehensive Literature Review (CLR): Rules, Types (Methodological, Historical, Theoretical etc.), Structure & Organization with Examples (JS)	Systematic Literature Review: Understanding PRISMA Flow Guidelines, Formation of Search Query, Identifying Literature from Databases, Screening, Organizing; Rules and Techniques with Examples (JS)	STC Valediction, Feedback and Evaluation (SSL)

SSL : Dr. Shimi S.L, Assistant Professor, Electrical Engineering, NITTTR, Chandigarh

BB : Dr.Babankumar Bansod, Senior Principal scientist & Professor, CSIR-CSIO, India

JS: Dr. Jagriti Saini, Founder Eternal RESTEM, Sunder Nagar, HP

RK : Dr. Rishemjit Kaur, Principal Scientist, Centre of Excellence for Intelligent Sensors and Systems (ISenS), CSIO, Chandigarh

SK : Dr. Sheeraz Kirmani, Associate Professor, Aligarh Muslim University, Aligarh

PS : Prof. Poonam Syal, Professor , Rural Development, NITTTR, Chandigarh

MAS: Prof. Mohmad Ishak A Sheikh, Electrical Engineering Department, Government Engineering College, Dahod

Course Coordinator: Dr. Shimi S.L, Assistant Professor, Electrical Engineering Department, NITTTR Chandigarh

National Institute of Technical Teachers Training and Research, Chandigarh
Electrical Engineering Department
STC on
"Energy Efficient and Decarbonisation Technologies"
5/6/2023 to 9/6/2023
(O.Plan No. ICT-36)
TIME-TABLE

DAY/DATE	Session - 1 10 AM to 11.30 AM	Session - 2 11.30 AM to 1 PM	Session - 3 2.30 PM to 4 PM
Monday 5/6/2023	Environment, Sustainable Development and Decarbonisation (Prof. Poonam Syal)	Renewable Energy Sources (Prof. Poonam Syal, Electrical Engineering Department, NITTTR, Chandigarh)	Biofuels and its Production Process (Prof. SS Kacchwaha, Pandit Deendayal Energy University, Gandhinagar)
Tuesday 6/6/2023	Hydrogen Energy – Present Scenario and Future Scope (Dr. Kapil Pareek, MNIT, Jaipur)	Appropriate Construction Materials and Practices for Sustainability (Dr. HK Vinayak, NITTTR, Chandigarh)	Air Pollution and its Mitigation Technologies (Prof. SC Jain, Former Dean & Chairman, Deptt. of Chemical Engg. & Tech. PU, Chandigarh)
Wednesday 7/6/2023	ECBC and Green Building (Prof. Chitrarekha Kabre, School of Planning & Architecture, New Delhi)	Smart Grid in Indian Context (Dr. Parul Mathuria, Centre for Energy & Environment, MNIT, Jaipur)	BEE, PAT Scheme and ESCerts (Er. Money Khanna, Project Engineer, PEDA, Chandigarh)
Thursday 8/6/2023	Wind Power Generation (Dr. AV Ravi Teja, IIT, Ropar)	Clean and Low Cost Buildings (Dr. Amit Goyal, NITTTR, Chandigarh)	Internet of Things and its Applications in Energy Management (Dr. Garima Saini, NITTTR, Chd)
Friday 9/6/2023	Electric Vehicle (Dr. Shimi SL, Punjab Engineering College, Chandigarh)	Energy Management and Energy Audit (Prof. Poonam Syal)	Course feedback and Valediction (Prof. Poonam Syal)