

IIMT COLLEGE OF ENGINEERING, GREATER NOIDA
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ONLINE STC ON
BIG DATA APPLICATION IN ELECTRICAL ENGINEERING

(Activity of ECE Department)
(20 Feb 2023 to 24 Feb 2023)

Objective:

1. The major objective of the Big Data application **helps organizations harness their data and use it to identify new opportunities.**
2. To consolidate the volume of data in such a way that similarities and differences can be quickly understood.
3. To aid comparison and to point out the important characteristics of the data at a flash.

The Department of ECE organized an online STC on “BIG DATA APPLICATION IN ELECTRICAL ENGINEERING” on 20 Feb 2023 to 24 Feb 2023 at 10:00 AM onwards nodal center of NITTTR CHANDIGARH. The Patrons of this Event were Prof (Dr) JK Sharma and Dr. S.S Tyagi. This activity was coordinated by Prof (Dr.) Seema Nayak and Co-Coordinated by Ms. Sandhya Bhardwaj.

Many faculty members know how to make circuits, and designing a circuit anytime anywhere is a great solution for the students in doing practical experiments. As a result, students were able to make circuits online and to simulate them.

Learning Outcomes:

- Students engage the imagination to explore new possibilities for designing circuits.
- Students can clarify any questions you have right away.
- Students will be able to imply any idea or possibility of different ways of designing circuits.
- Students will be able to apply theories they've learnt even without any hardware.



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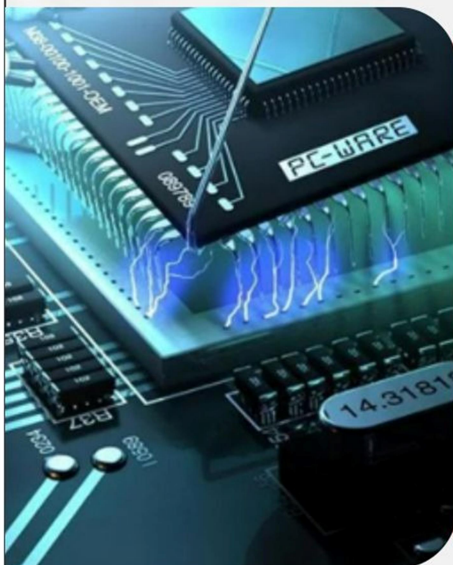
Online STC on

"BIG DATA APPLICATIONS IN ELECTRICAL ENGINEERING"

Organized by

Department of Electronics & Communication Engineering

(Nodal center of NITTTR, Chandigarh)



HANDS ON TRAINING COURSE CONTENT

- Introduction to Big Data Analytics and AI
- Real World Data acquisition using Indoor Air Pollution Monitoring (Hardware demo)
- Loading & Understanding Data with Statistics
- Understanding Data with Visualization
- Preparing & Pre Processing Data (Numerical & Categorical)
- Feature Analysis/Selection
- Theoretical Introduction to ML Algorithms
- Building a Classification Model from Scratch with Data
- Building a Regression Model from Scratch with Data
- Case Study 1 : Deep Learning & Big Data
- Case Study 2 : Deep Learning & Big Data

PATRONS

Prof. (Dr.) J K Sharma
Executive Director
IIMT Group of Colleges

Dr. S.S. Tyagi
Director
IIMT College of Engineering

COORDINATOR

Prof. (Dr.) Seema Nayak
HOD, ECE
IIMT College of Engineering

CO-COORDINATOR

Ms. Sandhya Bharadwaj
Assistant Professor
IIMT College of Engineering

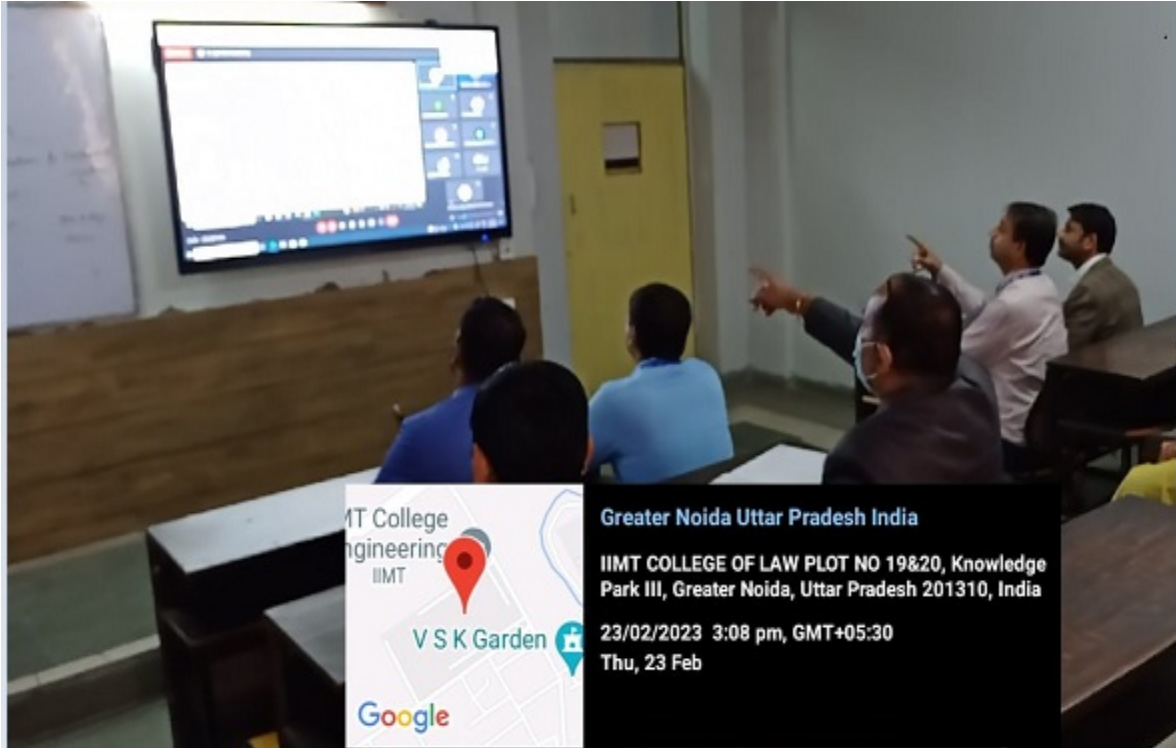
Date : 20th - 24th February, 2023

The applicants have to pay the course fee Rs. 118 (Faculty and Technical staff) or Rs. 590 (Research scholars) for each course they apply.

<http://fdp.nittrchd.ac.in/bachinup/>

Select venue - from Registered Remote Center (IIMT College of Engineering, G. Noida)

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**IIMT COLLEGE OF ENGINEERING, GREATER NOIDA DEPARTMENT
OF ELECTRONICS AND COMMUNICATON ENGINEERING**

**ONLINE STC ON
TOOLS FOR ENGINEERING RESEARCH**

(Activity of ECE Department)

(19th – 23rd September 2022)

Objective:

- Acquiring data from hardware through IoT, pre-processing, Analysis and visualization
- Feature engineering: Analysis, selection and mode building using Machine learning techniques
- Algorithms for uncertainty analysis
- RTI anf Hardware validation technique
- Plagiarism, IPR, mendeley and LaTeX software
- Result oriented paper, comprehensive literature review (CLR): Rules, Types (Methodological, Historical, Theoretical etc.), structure and organization with examples.

The Department of ECE organized an online STC on “TOOLS FOR ENGINEERING RESEARCH” 19th – 23rd September 2022 at nodal center of NITTTR CHANDIGARH. The Patrons of this Event were Prof (Dr) M.K. Soni and Dr. S.S Tyagi. This activity was coordinated by Prof (Dr) Seema Nayak and Co-Coordinated by Mr. Basanta Mahato.



NITTR
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Online STC
on

"TOOLS FOR ENGINEERING RESEARCH"

Organized by
NITTR, Chandigarh in Collaboration with Department of ECE
(Under Internal Quality Assurance Cell)



- ▷ 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 mode 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 form Databases, Screening Organizing: Rules and Techniques with Examples

PATRONS

Prof. (Dr.) M. K. Soni
Director General
IIMT Group of Colleges

Dr. S.S. Tyagi
Director
IIMT College of Engineering

COORDINATOR

Prof. (Dr.) Seema Nayak
HOD, ECE
IIMT College of Engineering

CO-COORDINATORS

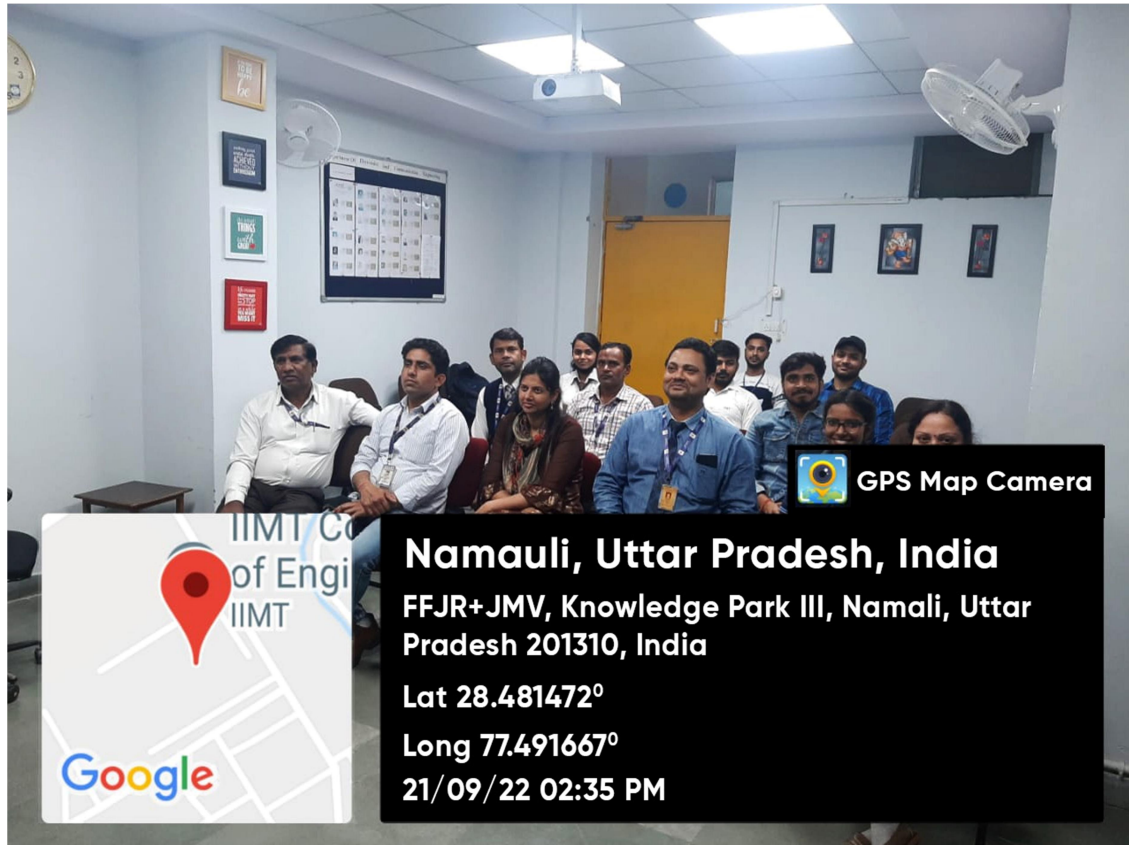
Mr. Basanta Mahato
Assistant Professor, ECE
IIMT College of Engineering

Ms. Arpana Mishra
Assistant Professor, ECE
IIMT College of Engineering

Date : 19th – 23rd September, 2022

Course is Free
<https://fdp.nittrchd.ac.in/backingup/index.php>
Select venue - from Registered Remote Center (IIMT College of Engineering, G. Noida)

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