



Centre for Continuing Education

Indian Institute of Technology Kanpur



CCE
Newsletter
Jan-June 2024

Message From Head



Prof. B V Rathish Kumar

Professor, Department of Mathematics and Statistics
Head, CCE IIT Kanpur

I am pleased to present the eighth newsletter of the Centre for Continuing Education (CCE) to the IIT Kanpur community. I am glad to report again that several Short Term Courses, Workshops, and Conferences were successfully conducted in online and offline mode during the period between January to June 2024. All these events and activities have been made possible by the active support and cooperation from the IITK Faculty, staff, and community. We profusely thank them for their services and place the same on record.

A total of Seventy two (72) events were conducted under the aegis of the CCE, IITK.

We will make continued efforts to offer courses from IITK Faculty during the second half of 2024. I am looking forward to reporting our activities again in the twelveth letter. Take care and stay safe.

41 Short Term Courses

06 Symposium

03 Conferences

12 Workshops

09 Internships

01 Conclave

List of the EVENTS

Short Term Course

01

Strategic HRM for Organizational Excellence

01.01.2024 - 07.01.2024

Coordinators:



Prof. Amit Shukla
Dept. of Management Sciences Engineering
IIT Kanpur



Prof. Dharendra S. Katti
Dept. of BSBE IIT Kanpur

Short Term Course

02

Professional Certification Program in Cybersecurity - Red Team

01.01.2024 - 23.02.2024

Coordinator:



Prof. Sandeep Shukla
Dept. of CSE IIT Kanpur

Short Term Course

03

Advanced Course on Multi UAV Communications Technology

03.01.2024 - 09.01.2024

Coordinator:



Prof. Ketan Rajawat
Dept. of Electrical Engineering IIT Kanpur

Workshop

04

Aspects to CFTs

08.01.2024 - 11.01.2024

Coordinators:



Prof. Apratim Kaviraj
Dept. of Physics IIT Kanpur



Prof. Diptarka Das
Dept. of Physics IIT Kanpur

Short Term Course

05

Introduction To Infrastructure Asset Management

09.01.2024 - 11.01.2024

Coordinator:



Prof. Sudhir Mishra
Dept. of Civil Engineering IIT Kanpur

Short Term Course

06

Handling Large Scale Data & Data Analysis Using R

15.01.2024 - 19.01.2024

Coordinator:



Prof. Shalabh
Dept. of Mathematics & Statistics
IIT Kanpur

Workshop

07

Direct to Mobile Broadcasting Summit

16.01.2024 - 16.01.2024

Coordinator:



Prof. Adrish Banerjee
Dept. of Electrical Engineering
IIT Kanpur

Symposium

08

Complete Flux Scheme for Convection-Diffusion- Reaction Models & Fluid Flow

18.01.2024 - 21.01.2024

Coordinator:



Prof. BV Rathish Kumar
Dept. of Mathematics and Statistics
IIT Kanpur

Online Short Term Course

09

Online Certificate Course on Just Transition

20.01.2024 - 18.02.2024

(DuringWeekends)

Coordinator:



Prof. Pradip Swarnakar
Dept. of Humanities and Social Sciences
IIT Kanpur

Workshop

10

International Workshop on Sustainable Energy, Power and Propulsion

19.01.2024- 21.01.2024

Coordinator:



Prof. Ashoke De
Dept. of Aerospace Engineering
IIT Kanpur

Online Short Term Course

11

Introduction to Advanced HMI Design

18.01.2024 - 20.01.2024

Coordinator:



Prof. Vivek Kant
Dept. of Design IIT Kanpur

Workshop

12

Dark Matter Workshop

27.01.2024-28.01.2024

Coordinator:



Prof. Pankaj Jain
Dept. of Space, Planetary & Astronomical
Sciences & Engineering (SPASE) IIT Kanpur

Short Term Course

13

Industrial Economics & Engineering Management

05.02.2024 - 10.02.2024

Coordinators:



Prof. Faiz Hamid
Dept. of Management Sciences
IIT Kanpur



Prof. Dharendra S. Katti
Dept. of Biological Sciences & Bioengineering (BSBE)
IIT Kanpur



Prof. Deep Mukherjee
Dept. of Economic Sciences
IIT Kanpur

Conclave

14

Sankalan

27.01.2024 - 28.01.2024

Coordinator:



Prof. Chunendra K Sahu
Dept. of Civil Engineering
IIT Kanpur

Conference

15

ANVIKSHA: A Research Scholar's Conference

03.02.2024-04.02.2024

Coordinator:



Prof. Sushruth Ravish
Dept. of Humanities and Social Sciences
IIT Kanpur

Short Term Course

16

Introduction To Infrastructure Asset Management

26.02.2024 - 29.02.2024

Coordinator:



Prof. Sudhir Mishra
Dept. of Civil Engineering IIT Kanpur

Short Term Course

17

4th Regulatory Certification Program on "Power Sector Regulation: Theory and Practice"

18.02.2024 - 04.03.2024

Coordinator:



Prof. Anoop Singh
Dept. of Management Sciences
IIT Kanpur

Short Term Course

18

Application of Artificial Intelligence & Machine Learning in Business & Finance

19.02.2024 - 25.02.2024

Coordinators:



Prof. Abhinav Tripathi
Dept. of Management Sciences
IIT Kanpur



Prof. Dharendra S. Katti
Dept. of Biological Sciences & Bioengineering
(BSBE)
IIT Kanpur

Short Term Course

19

Helicopter Dynamics and Handling Qualities

19.02.2024 - 23.02.2024

Coordinator:



Prof. Abhishek
Dept. of Aerospace Engineering
IIT Kanpur

Short Term Course

20

Professional Certificate Programme in Blockchain

22.02.2024 - 21.02.2025

Coordinator:



Prof. Sandeep Shukla
Dept. of CSE IIT Kanpur

Short Term Course

21

Professional Certification Program in Cybersecurity - Red Team

22.02.2024 - 21.02.2025

Coordinator:



Prof. Sandeep Shukla
Dept. of CSE IIT Kanpur

Short Term Course

22

Two-day refresher course on bitumen and bitumen emulsion

26.02.2024 - 27.02.2024

Coordinator:



Prof. Prabin Kr. Ashish
Dept. of Civil Engineering
IIT Kanpur

Workshop

23

Student Exchange workshop (with student from University of Tokyo)

26.02.2024 - 29.02.2024

Coordinator:



Prof. Sudhir Mishra
Dept. of Civil Engineering IIT Kanpur

Online Short Term Course

24

PYTHON+MATLAB Training School on 5G/6G Wireless Technologies

02.03.2024- 22.03.2024

Coordinator:



Prof. Aditya K Jagannatham
Dept. of Electrical Engineering
IIT Kanpur

Conference

25

IEEE Electron Devices Technology and Manufacturing (IEEE EDTM) 2024, Bengaluru

03.03.2024 - 06.03.2024

Coordinator:



Prof. Yogesh Singh Chauhan
Dept. of Electrical Engineering
IIT Kanpur

Short Term Course

26

Short Course on Seismic Design of Liquid Storage Tanks

07.03.2024 - 08.03.2024

Coordinator:



Prof. Durgesh C Rai
Dept. of Civil Engineering
IIT Kanpur

Conference

27

Mechanical Sciences Young Investigators' Meet

08.03.2024 - 10.03.2024

Coordinators:



Prof. Manjesh K. Singh
Dept. of Mechanical Engineering
IIT Kanpur



Prof. Ushasi Roy
Dept. of Mechanical Engineering
IIT Kanpur

Symposium

28

The National Symposium of Research Scholars on Metallurgy and Materials (NSRS-2024)

09.03.2024 - 10.03.2024

Coordinators:



Prof. Niraj Mohan Chawake
Dept. of Materials Science And Engineering
IIT Kanpur



Prof. Srinu Gangolu
Dept. of Materials Science And Engineering
IIT Kanpur

Short Term Course

29

3rd Regulatory Certification Program on "Renewable Energy: Economics, Policy and Regulation"

09.03.2024 - 24.03.2024

Coordinator:



Prof. Anoop Singh
Dept. of Management Sciences
IIT Kanpur

Short Term Course

30

TECHKRITI 24

14.03.2024 - 17.03.2024

Coordinator:



Prof. Manindra Agarwalgh
Dept. of Computer Science Engineering
IIT Kanpur

Short Term Course

31

SERB-Karyashala: Human Centered Design for Engineers

15.03.2024 - 21.03.2024

Coordinator:



Prof. Vivek Kant
Dept. of Design IIT Kanpur

Short Term Course

32

Regional Geometric Geoid modelling

18.03.2024 - 24.03.2024

Coordinator:



Prof. Onkar Dikshit
Dept. of Civil Engineering
IIT Kanpur

Workshop

33

Computational Approaches for Blood Flow in Artery Networks - CABFAN 2024

20.03.2024 - 23.03.2024

Coordinator:



Prof. Indranil Saha Dalal
Dept. of Chemical Engineering
IIT Kanpur

Online Short Term Course

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Project Management

20.03.2024 - 25.03.2024

Coordinator:



Prof. Raghu Nandan Sengupta
Dept. of Management Sciences
IIT Kanpur

Workshop

35

Workshop on Language Documentation and Archiving

21.03.2024 - 23.03.2024

Coordinator:



Prof. Chaithra Puttaswamy
Dept. of Humanities and Social Sciences
IIT Kanpur

Short Term Course

36

Traffic Flow Theory and Simulation

27.03.2024 - 31.03.2024

Coordinator:



Prof. Venketesan Kanagaraj
Dept. of Civil Engineering
IIT Kanpur

Workshop

37

Space Instrumentation And Payload Development

28.03.2024 - 30.03.2024

Coordinator:



Prof. Kunal P. Mooley
Dept. of Space, Planetary & Astronomical
Sciences & Engineering (SPASE)
IIT Kanpur

Short Term Course

38

Principles and practices of bituminous mixture design

14.04.2024 - 16.04.2024

Coordinators:



Prof. Prabin Kumar Ashish
Department of Civil Engineering
IIT Kanpur



Prof. Animesh Das
Department of Civil Engineering
IIT Kanpur

Symposium

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Symposium on Antenna and Microwave (SAM) 2024: 5G Antennas from Fundamental to Implementation
19.04.2024 - 21.04.2024

Coordinators:



Prof. Raghvendra Kumar Chaudhary
Department of Electrical Engineering
IIT Kanpur



Prof. A. R. Harish
Department of Electrical Engineering
IIT Kanpur

Symposium

40

HPC Symposium 24
20.04.2024 - 20.04.2024

Coordinators:



Prof. Nisanth N. Nai
Department of Chemistry
IIT Kanpur



Prof. Preeti Malakar
Department of Computer Science and Engineering
IIT Kanpur

Symposium

41

NVAITC Summit
02.05.2024

Coordinators:



Prof. Nisanth N. Nai
Department of Chemistry
IIT Kanpur



Prof. Preeti Malakar
Department of Computer Science and Engineering
IIT Kanpur

Workshop

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Internship on AI/ML in Management Sciences
02.05.2024 - 02.07.2024

Coordinators:



Prof. B V Rathish Kumar
Department of Mathematics and Statistics
IIT Kanpur



Prof. Shakar Prawesh
Department of Department of Management Sciences
IIT Kanpur



Symposium

43

Emerging Technologies and Materials in Medicine (ETMM)

03.05.2024 - 04.05.2024

Coordinators:



Prof. Ashok Kumar
Department of Biological Sciences and Bioengineering
IIT Kanpur



Prof. Sandeep Verma
Department of Chemistry IIT Kanpur

Short Term Course

44

Training Program on Smart Distribution System and Storage

06.05.2024 - 10.05.2024

Coordinator:



Prof. Ankush Sharma
Department of Electrical Engineering
IIT Kanpur

Short Term Course

45

Training Support for the State level Officials from Kerala

06.05.2024 - 08.05.2024

Coordinator:



Prof. Amey Karkare
Department of Computer Science and Engineering
IIT Kanpur

Workshop

46

Literature Review workshop for PG Students of CE

09.05.2024 - 18.05.2024

Coordinators:



Prof. Durgesh C. Rai
Department of Civil Engineering
IIT Kanpur



Prof. Chinmay Kolay
Department of Civil Engineering
IIT Kanpur

Short Term Course

47

Introduction to HMI for Space Applications

09.05.2024 - 11.05.2024

Coordinator:



Prof. Vivek Kant
Dept. of Design IIT Kanpur

Short Term Course

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SURGE 2024

10.05.2024 - 12.07.2024

Coordinator:



Prof. B V Rathish Kumar
Department of Mathematics and Statistics
IIT Kanpur

Internship

49

Numerical Study of Synthetic Jet at Moderate Amplitude & Frequency

10.05.2024 - 15.07.2024

Coordinator:



Prof. Arun Kumar Saha
Department of Mechanical Engineering
IIT Kanpur

Internship

50

Computation of Flow Around a Square Cylinder

10.05.2024 - 15.07.2024

Coordinator:



Prof. Arun Kumar Saha
Department of Mechanical Engineering
IIT Kanpur

Internship

51

Study of Flow System Using CFD

10.05.2024 - 15.07.2024

Coordinator:



Prof. Arun Kumar Saha
Department of Mechanical Engineering
IIT Kanpur

Short Term Course

52 Introduction to Infrastructure Asset Management

13.05.2024 - 16.05.2024

Coordinator:

Prof. Sudhir Mishra
Dept. of Civil Engineering IIT Kanpur



Internship

53 On the development of a waste heat recovery system

15.05.2024 - 15.07.2024

Coordinator:

Prof. Laltu Chandra
Dept. of Sustainable Energy Engineering
IIT Kanpur



Internship

54 IASc-INSA-NASI Focus Area Science Technology Summer Fellowship 2024 (FAST-SF 2024)

15.05.2024 - 14.07.2024

Coordinator:

Prof. Anshu Gaur
Dept. of MSE IIT Kanpur



Internship

55 Spray Pyrolysis Method in Sb2 S3 thin films

15.05.2024 - 14.07.2024

Coordinator:

Prof. Sarang Ingole
Dept. of MSE IIT Kanpur



Short Term Course

56 Introduction to Infrastructure Asset Management

20.05.2024 - 23.05.2024

Coordinator:

Prof. Sudhir Mishra
Dept. of Civil Engineering IIT Kanpur



Internship

57 Student Advance Research Internship Program (SARIP)

27.05.2024 - 12.07.2024

Coordinator:

Prof. B V Rathish Kumar
Department of Mathematics and Statistics
IIT Kanpur



Internship

58 Summer Research Internship

29.05.2024 - 08.07.2024

Coordinator:

Prof. G. Anantharaman
Department of Chemistry IIT Kanpur



Online Short Term Course

59 IITK Kanpur Certificate Program on PYTHON for Artificial Intelligence, Machine Learning, and Deep Learning

01.06.2024 - 28.06.2024

Coordinator:

Prof. Aditya K Jagannatham
Dept. of Electrical Engineering
IIT Kanpur



Short Term Course

60 Introduction to Dynamics and Control of Unmanned Aerial Vehicles

03.06.2024 - 08.06.2024

Coordinators:

Prof. Soumya Ranjan Sahoo
Dept. of Electrical Engineering
IIT Kanpur



Prof. Abhishek
Dept. of Aerospace Engineering
IIT Kanpur



Internship

61 Summer Research Internship

03.06.2024-28.07.2024

Coordinator:

Prof. G. Anantharaman
Department of Chemistry IIT Kanpur



Short Term Course

62

Certificate Program in Data Analysis, Public Policy and Economics

03.06.2024 - 08.06.2024

Coordinator:



Prof. Vimal Kumar
Dept. of Economic Sciences IIT Kanpur

Short Term Course

63

3rd Regulatory Certification Program on Renewable Energy: Economics, Policy and Regulation

07.06.2024 - 23.06.2024

Coordinator:



Prof. Anoop Singh
Dept. of Management Sciences
IIT Kanpur

Online Short Term Course

64

Data Analysis and Decision Making

10.06.2024 - 14.06.2024

Coordinator:



Prof. Raghu Nandan Sengupta
Dept. of Management Sciences
IIT Kanpur

Short Term Course

65

Certificate Program in Data Analysis, Public Policy and Economics

10.06.2024 - 15.06.2024

Coordinator:



Prof. Vimal Kumar
Dept. of Economic Sciences IIT Kanpur

Short Term Course

66

Handling Large Scale Data & Data Analysis Using R

10.06.2024 - 14.06.2024

Coordinator:



Prof. Shalabh
Dept. of Mathematics & Statistics
IIT Kanpur

Workshop

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Earthquake Resistant practices @ IITK for UG students of Architecture

11.06.2024 - 15.06.2024

Coordinators:



Prof. Durgesh C. Rai
Department of Civil Engineering
IIT Kanpur



Prof. Chinmay Kolay
Department of Civil Engineering
IIT Kanpur

Short Term Course

68

Spacecraft Dynamics and Control

17.06.2024 - 30.06.2024

Coordinators:



Prof. Dipak Kumar Giri
Department of Aerospace Engineering
IIT Kanpur

Short Term Course

69

Certificate Program in Data Analysis, Public Policy and Economics

17.06.2024 - 22.06.2024

Coordinator:



Prof. Vimal Kumar
Dept. of Economic Sciences IIT Kanpur

Short Term Course

70

Design and Development of 5G/5G + Standards and Indigenous 5G Network

18.06.2024 - 20.06.2024

Coordinator:



Prof. Rohit Budhiraja
Dept. of Electrical Engineering
IIT Kanpur

Workshop

71

7- Days Hands on Training Program on IoT

20.06.2024 - 26.06.2024

Coordinator:



Prof. Ankush Sharma
Department of Electrical Engineering
IIT Kanpur

Short Term Course

72

Training Programme on Mould Fluxes in JSPL

26.06.2024 - 27.06.2024

Coordinator:



Prof. Rahul Sarkar
Department of Materials Science & Engineering
IIT Kanpur

FACULTY IN FOCUS



Prof. Sudhir Mishra

PhD (University of Tokyo)

Professor, Department of Civil Engineering

Specialization: Infrastructure Engineering and Management; concrete materials

Research Interest: Development and application of special concretes; durability and maintenance of concrete structures; infrastructure asset management.

Selected Publications



Srivastava, S., Iyer-Raniga, U., & Misra, S. (2024). Integrated approach for sustainability assessment and reporting for civil infrastructures projects: Delivering the UN SDGs. *Journal of Cleaner Production*, 459, 142400.



Garg, S. and Misra, S. (2023). "Framework for Estimating Quality-Related Incentive and Disincentive in Construction Projects", *J of Construction Engineering and Management*, Vol 149, No 5



Behera, P.K., Misra, S., and Mondal, K. (2022). "Corrosion behavior of bent plain reinforcing bars used in concrete," *Materials and Structures*, 55, 37.



Garg, S. and Misra, S. (2022). Understanding the components and magnitude of the cost of quality in building construction, *Engineering Construction & Architectural Management*, 29 (1), 26-48



Srivastava, S., Raniga, U. I., and Misra, S. (2022). "A Methodological Framework for Life Cycle Sustainability Assessment of Construction Projects Incorporating TBL and Decoupling Principles," *Sustainability*, 14(1), 197



Rao, A. Jha, K.N. and Misra, S. (2007). "Use of aggregates from recycled construction and demolition waste in concrete.", *Resources, Conservation and Recycling*, 50(1), 71-81.



Prof. B. V. Rathish Kumar

Professor, Department of Mathematics and Statistics
Head CCE, IIT Kanpur

CCE Team



Mr. Gyanendra Singh



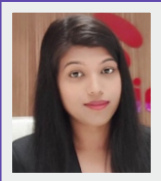
Mr. Vinay Kumar



Mrs. Sanno Devi Kushwaha



Mr. Sudesh Kumar Gupta



Ms. Deeksha Singh



Mr. Ram Naresh Chaurasiya



Mr. Alok Kumar



Mr. Yogendra Singh



Mr. Abhishek Singh



Mr. Rajesh

Centre for Continuing Education Indian Institute of Technology

Room No. 207, Outreach Building
Indian Institute of Technology Kanpur

Phone: 0512-259-7795

Email: cce@iitk.ac.in