



**Centre for Continuing Education**

**Indian Institute of Technology Kanpur**



**CCE**  
**Newsletter**  
Jan-June 2024

[www.iitk.ac.in/cce](http://www.iitk.ac.in/cce)

## 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

#### Coordinator:



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

34

#### 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

# 39

**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

# 42

**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

48

### 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

67

#### 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



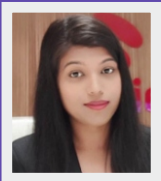
Mr. Vinay Kumar



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

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