Message From Head

Prof. B V Rathish Kumar
Professor, Department of Mathematics and Statistics &
Head, CCE IIT Kanpur

I am pleased to present the ninth 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, MooCs, and Conferences were successfully conducted in online and offline mode during the period between January to June 2023. All these events and activities have been made possible by the active support and cooperation of the IITK Faculty, staff, and community. We profusely thank them for their services and place the same on record.

A total of fifty-seven (57) events were conducted under the aegis of the CCE during the aforesaid period.

We will make continued efforts to offer courses from IITK Faculty during the second half of 2023. I am looking forward to reporting our activities again in the next newsletter.

54 Short-Term Courses
02 Conferences
01 Symposium
Short Term Courses

01 **NTS-Nurturance Program**  
04.01.2023 - 08.01.2023  
Coordinator:  
Prof. Madhav Ranganathan,  
Dept. of Chemistry IIT Kanpur  
Prof. Saikat Ghosh,  
Dept. of Physics IIT Kanpur

02 **Technocruise - Jhansi**  
07.01.2023 - 08.01.2023  
Coordinator:  
Prof. Amitabha Bandyopadhyay,  
Dept. of BSBE IIT Kanpur

03 **Advanced E-SDP Scheme**  
09.01.2023 - 31.03.2023  
Coordinator:  
Prof. Ankush Sharma  
Dept. of Electrical Engineering IIT Kanpur

04 **Advanced E-SDP and Advanced MDP Scheme**  
09.01.2023 - 31.03.2023  
Coordinator:  
Prof. Ankush Sharma  
Dept. of Electrical Engineering IIT Kanpur

05 **Interfacial Transport Phenomena and Solution Techniques**  
13.01.2023 - 17.01.2023  
Coordinator:  
Prof. Prof. Ashoke De  
Dept. of Aerospace Engineering IIT Kanpur

06 **E-Summit**  
13.01.2023 - 15.01.2023  
Coordinator:  
Prof. Ankush Sharma  
Dept. of Electrical Engineering IIT Kanpur

07 **DST STUTI**  
16.01.2023 - 22.01.2023  
Coordinator:  
Prof. Rohit Medwal  
Dept. of Physics IIT Kanpur

08 **Technocruise - Durgapur**  
20.01.2023 - 21.01.2023  
Coordinator:  
Prof. Amitabha Bandyopadhyay  
Dept. of BSBE IIT Kanpur

09 **IIT Kanpur PYTHON and MATLAB/OCTAVE-Based Winter Training School in 5G Wireless Technologies: NOMA, Cooperative Communication, Cognitive Radio**  
21.01.2023 - 03.02.2023  
Coordinator:  
Prof. Aditya K Jagannatham  
Dept. of Electrical Engineering IIT Kanpur

10 **Strengthening of Positioning Infrastructure**  
23.01.2023 - 03.02.2023  
Coordinator:  
Prof. Onkar Dikshit  
Dept. of National Centre for Geodesy IIT Kanpur
Technocruise - Amravati  
27.01.2023 - 28.01.2023  
Coordinator: 
Prof. Amitabha Bandyopadhyay,  
Dept. of BSBE IIT Kanpur

Online Python Based Short Term Course on Machine Learning from Theory To Practical  
01.02.2023 - 23.02.2023  
Coordinator: 
Prof. Prof. YN Singh  
Dept. of Electrical Engineering IIT Kanpur

MSME Champions Scheme  
01.02.2023 - 31.03.2023  
Coordinator: 
Prof. Ankush Sharma  
Dept. of EE IIT Kanpur

16th Capacity Building Programme for Officers of Electricity Regulatory Commissions: Regulatory Perspectives on Network, Renewable Energy and Market Development  
03.02.2023 - 09.02.2023  
Coordinator: 
Prof. Anoop Singh,  
Dept. of IME IIT Kanpur

Regulatory Certification Program on Power Sector Regulation: Theory and Practice  
19.02.2023 - 03.03.2023  
Coordinator: 
Prof. Anoop Singh  
Dept. of IME IIT Kanpur

Helicopter Dynamics and Handling Qualities  
13.02.2023 - 17.02.2023  
Coordinator: 
Prof. Abhishekh  
Dept. Aerospace Engineering IIT Kanpur

Data Science for Managerial Decision-Making  
20.02.2023 - 25.02.2023  
Coordinator: 
Prof. Faiz Hamid  
Dept. of IME IIT Kanpur

Technocruise - Agartala  
23.02.2023 - 24.02.2023  
Coordinator: 
Prof. Amitabha Bandyopadhyay,  
Dept. of BSBE IIT Kanpur

Technocruise - Warana Nagar  
23.02.2023 - 23.02.2023  
Coordinator: 
Prof. Amitabha Bandyopadhyay,  
Dept. of BSBE IIT Kanpur
Technocruise 25.02.2023 - 26.02.2023
Coordinator: Prof. Amitabha Bandyopadhyay Dept. of BSBE IIT Kanpur

Steelmaking and Refractories 02.03.2023 - 04.03.2023
Coordinator: Prof. Dipak Mazumdar Dept. of MSE IIT Kanpur

Technocruise- Lucknow 03.03.2023 - 04.03.2023
Coordinator: Prof. Amitabha Bandyopadhyay Dept. of BSBE IIT Kanpur

Technocruise- Kolkata 03.03.2023 - 04.03.2023
Coordinator: Prof. Amitabha Bandyopadhyay Dept. of BSBE IIT Kanpur

Technocruise- Amravati 04.03.2023 - 05.03.2023
Coordinator: Prof. Amitabha Bandyopadhyay Dept. of BSBE IIT Kanpur

Technocruise- Kurukshetra 11.03.2023 - 12.03.2023
Coordinator: Prof. Amitabha Bandyopadhyay Dept. of BSBE IIT Kanpur

Basics of Research and Analysis using R 13.03.2023 - 17.03.2023
Coordinator: Prof. Pradip Swarnakar Dept. of HSS IIT Kanpur

Advances in Designing and manufacturing Technologies for Orthopaedic Biomaterials 13.03.2023 - 14.03.2023
Coordinator: Prof. Ashok Kumar Dept. of BSBE IIT Kanpur

Unmanned Aerial Vehicle (UAV) 13.03.2023 - 19.03.2023
Coordinator: Prof. BV Rathish Kumar Dept. of Mathematics and Statistics IIT Kanpur

Robotics 20.03.2023 - 31.03.2023
Coordinator: Prof. Mangal Kothari Dept. of AE IIT Kanpur

Advances in Designing and manufacturing Technologies for Orthopaedic Biomaterials 13.03.2023 - 14.03.2023
Coordinator: Prof. Ashok Kumar Dept. of BSBE IIT Kanpur

Exergy(Chemical Engineering Fest) 31.03.2023 - 02.04.2023
Coordinator: Prof. Dipin Pillai Dept. of Chemical Engineering IIT Kanpur
Large Scale Optimization - 3rd Summer School
02.04.2023 - 09.04.2023
Coordinator:
Prof. Faiz Hamid
Dept. of IME IIT Kanpur

IIT Kanpur Intensive Training School (ITS) on PYTHON for Data Science, Machine Learning, Neural Networks and Deep Learning
08.04.2023 - 28.04.2023
Coordinator:
Prof. Aditya K Jagannatham
Dept. of Electrical Engineering IIT Kanpur

IIT Kanpur PYTHON and MATLAB/OCTAVE-Based Winter Training School in 5G Wireless Technologies: MIMO, OFDM, MIMO-OFDM, FBMC
15.04.2023 - 28.04.2023
Coordinator:
Prof. Aditya K Jagannatham
Dept. of Electrical Engineering IIT Kanpur

Petroleum Seismic
17.04.2023 - 18.04.2023
Coordinator:
Prof. Dibakar Ghosal
Dept. of Earth Sciences IIT Kanpur

Training Program in Smart Distribution System & Storage
28.04.2023 - 02.05.2023
Coordinator:
Prof. Ankush Sharma
Dept. of EE IIT Kanpur

Short Term Course for the HAL Trainee
03.05.2022 - 02.07.2022
Coordinator:
Prof. Bishakh Bhattacharya,
Dept. of ME IIT Kanpur

IITK PYTHON + MATLAB + SIMULINK Prorject-Based Training School on 4G/5G Technologies
04.05.2023 - 07.05.2023
Coordinator:
Prof. Aditya K Jagannatham
Dept. of Electrical Engineering IIT Kanpur

Research Scholar Day
06.05.2023 - 06.05.2023
Coordinator:
Prof. Rajesh Ranjan
Dept. of AE IIT Kanpur

SURGE Program 2023
11.05.2023 - 15.07.2023
Coordinator:
Prof. BV Rathish Kumar
Dept. of Mathematics and Statistics IIT Kanpur

Art Appreciation: Indian Classical Music
15.05.2023 - 14.07.2023
Coordinator:
Prof. Sameer Khandekar
Dept. of Mechanical Engineering IIT Kanpur

Enantioselective ring opening transformations of aziridines via DKR
20.05.2023 - 22.07.2023
Coordinator:
Prof. Manas K. Ghorai
Dept. of Chemistry IIT Kanpur

Applications of Solar Energy Systems
22.05.2023 - 24.05.2023
Coordinator:
Prof. Sameer Khandekar
Dept. of Mechanical Engineering IIT Kanpur
44 Empowering DEcision making with Data Analytics
24.05.2023 - 26.05.2023
Coordinator: Prof. Vimal Kumar
Dept. of Economic Sciences IIT Kanpur

45 Fundamentals of Energy Transition for Achieving Net-zero
01.06.2023 - 20.06.2023
Coordinator: Prof. Pradip Swarnakar
Dept. of HSS IIT Kanpur

46 Book Design
01.06.2023 - 21.06.2023
Coordinator: Prof. Shatarupa Thakurta Roy
Dept. of Humanities and Social Sciences
IIT Kanpur

47 Two months training for UG students at the National Centre for Geodesy (NCG)
01.06.2023 - 31.07.2023
Coordinator: Prof. Onkar Dikshit
Dept. of Civil Engineering IIT Kanpur

48 Power Market Economics and Operation
03.06.2023 - 17.06.2023
Coordinator: Prof. Anoop Singh
Dept. of IME IIT Kanpur

49 Deep Learning and Computer Vision-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur

50 Introduction to Bio-inforatics and Bio-Statistics-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur

51 Cryptography and Blockchain Basic-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur

52 Mathematics in Computer Science-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur

53 Fundamentals of Computer Science-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur

54 Natural Language Processing-ACA Summer School
12.06.2023 - 07.07.2023
Coordinator: Prof. Sunil Simon
Dept. of CSE IIT Kanpur
**Conferences**

01 **International Conference on Large Scale Optimization**  
10.04.2023  
**Coordinators:**  
Prof. Faiz Hamid  
Dept. of IME IIT Kanpur

02 **Soft Matter Young Investigator’s Meet**  
14.06.2023 - 17.06.2023  
**Coordinators:**  
Prof. Harshwardhan H. Katkar  
Dept. of Chemical Engineering IIT Kanpur

**Symposium**

01 **India-UK symposium on Sustainability: Addressing the Water-Energy-Food Nexus**  
17.04.2023 - 19.04.2023  
**Coordinators:**  
Prof. Ashish Garg  
Dept. of Department of Sustainable Energy Engineering IIT Kanpur
Prof. Anoop Singh is a Professor in the Department of Management Sciences and Adjunct Professor, Dept. of Sustainable Energy Engineering. He is the founder of the Centre for Energy Regulation (CER) and the Energy Analytics Lab (EAL) at IIT Kanpur. He is currently an Independent Director of M.P. Power Management Company Limited and member of the NITI Aayog’s Energy Modeling Forum, the Central Advisory Committee (CAC) of the Central Electricity Regulatory Commission (CERC), the State Advisory Committee (SAC) of the Delhi Electricity Regulatory Commission (DERC) and the State Advisory Committee (SAC) of the Meghalaya State Electricity Regulatory Commission.

Prof. Singh’s areas of work includes a broad spectrum of policy, regulatory, modelling and analytics aspects related to power sector, renewable energy and power market. He has contributed with over 100 regulatory and policy submissions to Ministry of Power (MoP), Ministry of New and Renewable Energy (MNRE), NITI Aayog, Central Electricity Regulatory Commission (CERC), the State Electricity Regulatory Commissions (SERCs) and Central Electricity Authority (CEA).

He has four books and numerous publications to his credit. He is editor of Regulatory Insights — a quarterly newsletter of CER, and Power Chronicle — a quarterly newsletter of EAL. He is also Coordinator of eMasters Degree Program of IIT Kanpur on “Power Sector Regulation, Economics and Management”.

Over 30 projects with funding support from international (WB, UNCTAD, UNU/IAS, Univ. of Cambridge) as well as national agencies (NITI Aayog, Ministry of Power, CSERC, UPERC, UPPCL, IEX, PXIL, Maruti-Suzuki etc)

He is founding Board Member and Vice President (Conferences) of the Indian Association of Energy Economics (I-AEE).
CCE Staff

Mr. Gyanendra Singh  
Mrs. Sanno Devi Kushwaha  
Mr. Ram Naresh Chaurasiya  
Mr. Sudesh Kumar Gupta  
Ms. Archana

Mr. Vinay Kumar  
Mr. Yogendra Singh  
Mr. Abhishek Singh  
Mr. Rajesh Kumar

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