

NEWSLETTER

July-December 2021

Centre for Continuing Education

Indian Institute of Technology Kanpur





Message from the Head

Prof. BV Rathish Kumar

Department of Mathematics and Statistics
IIT Kanpur

<https://www.iitk.ac.in/new/rathish-kumar-b-v>

Wish you all a happy, prosperous, healthy and joyful New Year 2022!

I am pleased to present the sixth newsletter of the Centre for Continuing Education (CCE) to the IIT Kanpur community. As we all know, Covid-19 and its variants are still around us! Let's do our best w.r.t pandemic protocols to stay safe and healthy. I am glad to report that several Short-Term Workshops and Conferences were successfully conducted in virtual mode during the period July 2021 to December 2021. All these events and activities have been made possible by the active support and cooperation of the IITK faculty and staff. A total of twenty Nine (29) virtual events and some offline events were conducted under the aegis of the CCE. We have also conducted an online lecture series consisting of 12 youtube lectures under Vigyan Jyotiphase 2 program for the girl students of Navodaya Vidyalaya who were selected for the program. A short term training programme was organized for UP Polytechnic teachers wherein 90 faculty members from various polytechnic colleges were trained under the guidance of Prof. Amitabha Bandyopadhyay. We have also signed several MoUs for organizing training programmes. Few of the IITK Faculty members have conducted short-term courses under the AICTE Training and Learning (ATAL) Academy, New Delhi. Both the SURGE and FLP programs of IITK for the year 2021 were successfully conducted in online mode. 185 students have successfully completed the SURGE program under the able guidance and support of our faculty colleagues. Your continued support and active participation will take IIT-CCE activities to a greater heights. I am looking forward to reporting our activities again in the next newsletter.

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Short Term Courses

02

Conferences

01

Symposium

Short Term Courses

01

01-07-2021 to 31-12-2021

Vigyan Jyoti Program Phase 2

Course Website:

<https://www.iitk.ac.in/cce/vigyan-jyoti/>

Coordinator



Prof. Rajesh M. Hegde

Department of Electrical Engineering,
IIT Kanpur

02

01-07-2021 to 30-04-2022

Foreign Language Programme 2021-22

Course Website:

<https://www.iitk.ac.in/cce/FLP/>

Coordinator



Prof. Rajesh M. Hegde

Department of Electrical Engineering,
IIT Kanpur

03

08-07-2021

CER's Regulatory Conclave "Impact of Covid-19 on Electrical Supply Chain: Regulatory and Policy Perspective"

Coordinator



Prof. Anoop Singh

Department of Industrial & Management
Engineering, IIT Kanpur

04

09-07-2021 to 31-08-2021

ICME Readiness for Digital Platforms

Coordinator



Prof. Pritam Chakraborty

Department of Aerospace Engineering,
IIT Kanpur

05

16-07-2021 to 20-07-2021

Faculty Development Program (FDP) Advance in Metal and Metamaterial 3D Printing

Coordinator



Prof. J. Ramkumar

Department of Mechanical Engineering,
IIT Kanpur

06

15-07-2021 to 20-08-2021

The Story of Photoelectric Effect

Coordinator



Prof. T V Prabhakar

Department of Computer Science and
Engineering, IIT Kanpur



Prof. H.C. Verma

Department of Physics,
IIT Kanpur

07

19-07-2021 to 30-07-2021

Senior Level Short course on Geodesy

Coordinator



Prof. Onkar Dikshit

Department of Civil Engineering,
IIT Kanpur

08

01-08-2021 to 30-09-2021

Competition on Physics Experiment

Coordinators



Prof. T V Prabhakar

Department of Computer Science and
Engineering, IIT Kanpur



Prof. H.C. Verma

Department of Physics,
IIT Kanpur

09

02-08-2021 to 08-08-2021

Physics of Nanoelectronics

Coordinator



Prof. Rik Dey

Department of Electrical Engineering,
IIT Kanpur

10

22-08-2021 to 26-08-2021

Additive Manufacturing: current trends and prospects towards developing AM research

Coordinator

**Prof. Arvind Kumar**Department of Mechanical Engineering,
IIT Kanpur**11**

23-08-2021 to 27-08-2021

Machine Learning and High Performance Computing in Computational Drug Design: Methods & Applications

Coordinator

**Prof. Jayant K. Singh**Department of Chemical Engineering,
IIT Kanpur**12**

31-08-2021 to 15-10-2021

agMOOCS: Management of Infertility in Cattle

Coordinator

**Prof. T V Prabhakar**Department of Computer Science and
Engineering, IIT Kanpur**13**

01-09-2021 to 31-10-2021

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

Coordinator

**Prof. Anoop Singh**Department of Industrial & Management
Engineering, IIT Kanpur**14**

01-09-2021 to 31-10-2021

CER-Regulatory Certification Program-PSR

Coordinator

**Prof. Anoop Singh**Department of Industrial & Management
Engineering, IIT Kanpur**15**

01-09-2021 to 31-03-2022

Skill development initiative (SDI) in women's tailor

Coordinators

**Prof. Sudhanshu Shekhar Singh**Department of Materials Science & Engineering,
IIT Kanpur**Prof. Sandeep Sangal**Department of Materials Science & Engineering,
IIT Kanpur**16**

03-09-2021 to 08-10-2021

Quantum Computation and algorithms

Coordinator

**Prof. Rajat Mittal**Department of Computer Science and
Engineering, IIT Kanpur**17**

13-09-2021 to 26-09-2021

IIT Kanpur Advanced Training School on PYTHON+R+MATLAB Based Simulation and Design of 4G/5G MIMO-OFDM Wireless

Coordinator

**Prof. Aditya K. Jagannatham**Department of Electrical Engineering,
IIT Kanpur**18**

11-09-2021 to 26-09-2021

IITK Research School on PHYTHON/MATLAB and NYUSIM for Machine learning (ML) in 5G mm Wave MIMO Technology

Coordinator

**Prof. Aditya K. Jagannatham**Department of Electrical Engineering,
IIT Kanpur

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15-09-2021 to 19-09-2021

Training Program on Smart Grid Technologies

Coordinator

**Prof. Ankush Sharma**Department of Electrical Engineering,
IIT Kanpur**Prof. Alok Ranjan Verma**Department of Electrical Engineering,
IIT Kanpur**20**

18-09-2021

Flexible Electronics - 2021

Coordinator

**Prof. S. Sundar Kumar Iyer**Department of Electrical Engineering,
IIT Kanpur**21**

24-09-2021 to 26-09-2021

**Power Engineering Research and Applications
PERA-2021**

Coordinator

**Prof. Ankush Sharma**Department of Electrical Engineering,
IIT Kanpur**22**

01-10-2021 to 02-10-2021

Porous Media

Coordinator

**Prof. Himanshu Sharma**Department of Chemical Engineering,
IIT Kanpur**23**

02-10-2021 to 07-11-2021

**Data Analytics in Investment, Risk and
Portfolio Management**

Coordinator

**Prof. Raghu Nandan Sengupta**Department of Industrial & Management
Engineering, IIT Kanpur**24**

19-11-2021 to 25-11-2021

Practical Numerical Methods using Python

Coordinator

**Prof. Mahendra K Verma**Department of Physics,
IIT Kanpur**25**

22-11-2021 to 26-11-2021

**Challenges and Opportunities before Youth
with Technical Education and Present
and Post Covid Situations**

Coordinators

**Prof. B. V. Rathish Kumar**Department of Mathematics and Statistics,
IIT Kanpur**Prof. Amitabha Bandyopadhyay**Department of Biological Sciences &
Bioengineering, IIT Kanpur**26**

11-12-2021 to 19-12-2021

Introduction to Law for Construction Managers

Coordinator

**Prof. Sudhir Misra**Department of Civil Engineering,
IIT Kanpur

Conferences

01

27-07-2021 to 30-07-2021

27th National Conference on Communications

Coordinators



Prof. Adrish Banerjee

Department of Electrical Engineering,
IIT Kanpur



Prof. Ketan Rajawat

Department of Electrical Engineering,
IIT Kanpur

02

17-12-2021 to 19-12-2021

2021 IEEE MTT-S International Microwave and RF conference (IMaRC)

Coordinator



Prof. M. Jaleel Akhtar

Department of Electrical Engineering,
IIT Kanpur



Prof. Kumar Vaibhav Srivastava

Department of Electrical Engineering,
IIT Kanpur

Symposium

01

15-12-2021 to 18-12-2021

Recent advances in Machine Learning tools for studying rare events in molecular simulations

Coordinators



Prof. Amalendu Chandra

Department of Chemistry,
IIT Kanpur



Prof. Nisanth N. Nair

Department of Chemistry,
IIT Kanpur

Faculty in Focus



Prof. Arvind Kumar

Department of Mechanical Engineering
IIT Kanpur

<https://home.iitk.ac.in/~arvindkr/>

Dr. Arvind Kumar is an Associate Professor in the Mechanical Engineering department at IIT Kanpur. He earlier held the PK Kelkar Young Faculty Research Fellow Position. Prior to joining IIT Kanpur he has worked in the USA, France and the UK. His areas of interest include additive manufacturing, melting/solidification, multiscale modelling of manufacturing processes, and thermal energy storage. He has developed a state-of-the-art /FIST Facility for Additive Manufacturing/ for metal 3D printing. He is involved in technology development in the area of 3D printing and its industrial applications. He has authored over 150 peer-reviewed journal and conference papers. He is a well-known trainer on Additive Manufacturing and has conducted several workshops and professional courses on CCE and ATAL platform. With the growing focus on additive manufacturing, these courses have helped many academicians and professionals. He is a member of the task force of the Government of India for devising strategies for the promotion of Additive Manufacturing in India. He has been recognized with several awards, like YIM Boston Award 2011, IEI Young Engineers Award, Marie Curie Fellowship are a few of his achievements.

CCE Staff



Mr. Gyanendra Singh



Mr. Ram Naresh Chaurasiya



Mrs. Sanno Devi Kushwaha



Mr. Yogendra Singh



Mr. Vinay Kumar



Mr. Rajesh Kumar



Mr. Sudesh Kumar Gupta

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