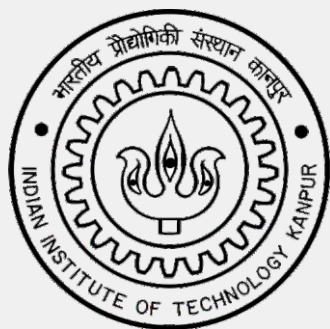


NEWSLETTER

January–June 2021

Centre for Continuing Education

Indian Institute of Technology Kanpur





Message from the Head

Prof. Rajesh M Hegde

Department of Electrical Engineering
IIT Kanpur

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

I am pleased to present the fifth newsletter of the Centre for Continuing Education (CCE) to the IIT Kanpur community. The second wave of COVID 19 has had devastating consequences on many of us. However I am sure that with vaccination, masking, and social distancing, we will be able to come out of this pandemic soon. Despite the pandemic, I am glad to report again that several AICTE sponsored QIP programs, Short Term Workshops, MooCs, and Conferences were successfully conducted in virtual mode during the period between January to June 2021. All these events and activity have been made possible by the active support and cooperation of the IITK Faculty, staff, and community. We wish to thank them at the outset.

A total of thirty two (32) virtual events were conducted completely online under the aegis of the CCE. This includes twenty (20) AICTE sponsored QIP courses, which were conducted in a record span of three months. Twelve (12) other events including workshops, conferences, and short term courses were also conducted. The C3I has launched a popular industry oriented new course on blockchain during this period, while they continue to offer their courses on cyber security.

A total of hundred (100) polytechnic teachers were trained under the Entrepreneurship, startups, and innovation in academic institutions program. The Vigyan Jyoti program offered by CCE to the Kanpur Zone girl students for the year 2021 was widely appreciated at the National level. We have been requested to transmit our lectures to a Nationwide audience next year. We have also launched summer courses for training manpower in foreign languages like French, German, and Japanese. A new summer program on Introduction to Sanskrit language was also launched during this period.

We will make continued efforts to offer courses in virtual mode from IITK Faculty during the second half of 2021. We also eagerly look forward to host events physically as and when the pandemic ends. I am looking forward to reporting our activities again in the next newsletter. Take care and stay safe.

20

QIP Sponsored Courses

12

Self Sponsored Courses

QIP Sponsored Courses

18-23 January 2021

01 Laser Matter Interaction

Course Website:
www.iitk.ac.in/qip/courses/20-21/laser-matter-interaction/

Coordinators



Dr. J Ramkumar
Professor,
Department of Mechanical Engineering



Dr. Amandeep Singh
REO,
Department of Mechanical Engineering

25-31 January 2021

02 Mastering Advanced Techniques of Characterization for High-end Research (MATCH -2021)

Course Website: www.iitk.ac.in/qip/courses/20-21/MATCH/

Coordinators



Dr. Kantesh Balani
Professor,
Biomaterials Processing & Characterization Lab



Prof. Gouthama
Professor,
Materials and Metallurgical Engineering

8-13 February 2021

03 Linguistic Diversity and Access to English

Course Website:
www.iitk.ac.in/qip/courses/20-21/linguistic-diversity-and-access-to-english/

Coordinators



Dr. Usha Udaar
Assistant Professor,
Department of Humanities and Social Sciences



Dr. Chaithra Puttaswamy
Assistant Professor,
Department of Humanities and Social Sciences

15-20 February 2021

04 Financial Time Series Modelling in R: FinMODE-2021

Course Website: <https://iitk.ac.in/qip/courses/20-21/FinMODE-2021/>

Coordinator



Dr. Wasim Ahmad
Associate Professor,
Economics Group,
Department of Economic Sciences

22-27 February 2021

05 Decision and Control: Optimal Planning, RL & Games

Course Website:
www.iitk.ac.in/qip/courses/20-21/decision-and-control/

Coordinator



Dr. Mangal Kothari
Associate Professor,
Department of Aerospace Engineering

22-27 February 2021

06 Operations Research for Transportation Optimization

Course Website:
www.iitk.ac.in/qip/courses/20-21/operations-research-for-transportation-optimization/

Coordinators



Dr. Faiz Hamid
Assistant Professor,
Dept. of Industrial and Management Engineering



Dr. Partha Chakroborty
Professor,
Department of Civil Engineering

1-6 March 2021

07 Introduction to HPC in Science & Engineering

Course Website: www.iitk.ac.in/qip/courses/20-21/HPC/

Coordinator



Dr. B. V. Rathish Kumar
Professor,
Department of Mathematics and Statistics

1-6 March 2021

08 Advanced Ceramics and Composites for Multifunctional Applications

Course Website: www.iitk.ac.in/qip/courses/20-21/HPC/

Coordinator



Dr. Shikhar Jha
Assistant Professor,
Department of MSE



Dr. Tanmoy Maiti
Associate Professor,
Department of MSE



Dr. Shobit Omar
Associate Professor,
Department of MSE

1-6 March 2021

09 Data Analytics

Course Website: www.iitk.ac.in/qjp/courses/20-21/data-analytics/

Coordinators



Dr. Faiz Hamid

Assistant Professor,
Industrial and Management Engineering



Dr. Devlina Chatterjee

Associate Professor,
Industrial and Management Engineering

1-6 March 2021

10 Corrosion Failure and Protection of Engineering Materials

Course Website: www.iitk.ac.in/qjp/courses/20-21/corrosion-failure-and-protection-of-engineering-materials/

Coordinators



Dr. Sudhanshu Shekhar Singh

Assistant Professor,
Materials Science and Engineering



Dr. Kallol Mondal

Professor,
Materials Science and Engineering

1-6 March 2021

11 Diagnostics of High Voltage Insulation

Course Website: <https://iitk.ac.in/qjp/courses/20-21/diagnostics-of-high-voltage-insulation/>

Coordinators



Dr. Nandini Gupta

Professor,
Department of Electrical Engineering



Dr. Alok Ranjan Verma

Assistant Professor,
Department of Electrical Engineering

2-7 March 2021

12 Radiation Health Safety and Security

Course Website: <https://iitk.ac.in/qjp/courses/20-21/radiation-health-safety-and-security/>

Coordinators



Dr. Prabhat Munshi

Professor,
Department of Mechanical Engineering



Dr. Niraj Sinha

Assistant Professor,
Department of Mechanical Engineering



Dr. Pankaj Wahi

Associate Professor,
Department of Mechanical Engineering

8-13 March 2021

13 Multiscale Modeling and Simulation Techniques for 3D Printing

Course Website: www.iitk.ac.in/qjp/courses/20-21/multiscale-modeling-and-simulation/

Coordinator



Dr. Arvind Kumar

Associate Professor,
Department of Mechanical Engineering

8-13 March 2021

14 Quantitative Approaches to Decision Making

Course Website:
<https://iitk.ac.in/qjp/courses/20-21/quantitative-approaches-to-decision-making/transportation-optimization/>

Coordinators



Dr. Faiz Hamid

Assistant Professor,
Dept. of Industrial and Management Engineering



Dr. Deep Mukherjee

Associate Professor,
Department of Economic Sciences

8-13 March 2021

15 Principles of Pricing

Course Website:
<https://iitk.ac.in/qjp/courses/20-21/principles-of-pricing/>

Coordinators



Dr. Bikramaditya Datta

Assistant Professor,
Department of Economic Sciences



Dr. Vimal Kumar

Associate Professor,
Economics Group,
Department of Economic Sciences

8-13 March 2021

16 Theoretical and Practical Perspective on Material Manufacturing Technology

Course Website: <https://iitk.ac.in/qjp/courses/20-21/TPMMT/>

Coordinators



Dr. Anish Upadhyaya

Professor,
Department of MSE



Dr. Asit Prakash Bajpai
REO,
Department of MSE

14-19 March 2021

17 Muffler Acoustics for Automotive Engine Noise Control

Course Website: <https://iitk.ac.in/qip/courses/20-21/engineering-and-environmental-noise-control/>

Coordinator



Dr. Akhilesh Mimani
Assistant Professor,
Department of Mechanical Engineering

15-20 March 2021

18 Transport in Nanoelectronics

Course Website: <https://iitk.ac.in/qip/courses/20-21/transport-in-nanoelectronics/>

Coordinator



Dr. Rik Dey
Assistant Professor,
Department of Electrical Engineering

15-21 March 2021

19 Frontier areas on Econometrics & Trade with Special Emphasis on Machine Learning & Firm level Trade

Course Website: <https://iitk.ac.in/qip/courses/20-21/frontier-areas-on-econometrics/>

Coordinator



Dr. Somesh K. Mathur
Professor,
Economics Group,
Department of Economic Sciences

15-20 March 2021

20 Mechanical Behaviour of Materials

Course Website: www.iitk.ac.in/qip/courses/20-21/mechanical-behaviour-of-materials/

Coordinators



Dr. Nilesh Prakash Gurao
Assistant Professor,
Department of MSE



Dr. Shashank Shekhar
Associate Professor,
Materials Science and Engineering



Dr. Sudhanshu Shekhar Singh
Assistant Professor,
Materials Science and Engineering

Self Sponsored Courses

01 Jan - 31 Dec 2021

01 SURGE Program

Coordinator



Dr. Saravanan Matheshwaran
Assistant Professor,
Biological Sciences and Bioengineering

15-26 February 2021

02 IITK Nextgen Trainig and Research School (NTRS) on PYTHON + R Projects for 5G Wireless Technologies- MU Massive MIMO and mm Wave MIMO

Coordinator



Dr. Aditya K. Jagannatham
Professor,
Department of Electrical Engineering

15-24 February 2021

03 Winter School on Physical Geodesy and its Applications

Coordinator



Dr. Balaji Devaraju
Assistant Professor,
Department of Civil Engineering

17 February - 7 March 2021

04 Modeling and Simulation of Nano-Transistors

Coordinator



Dr. Yogesh Singh Chauhan
Associate Professor & Ramanujan Fellow,
Departement of Electrical Engineering

22-23 February 2021

05 SUNRISE India-UK Symposium on Energy Sustainability and Water

Coordinator



Dr. Raju Kumar Gupta
Associate Professor,
Chemical Engineering

1-3 March 2021

06 14th Capacity Building Programme for Officers of Electricity Regulatory Commissions

Coordinator



Dr. Anoop Singh
Professor,
Industrial & Management Engineering

4-12 March 2021

07 3rd Global Regulatory Perspectives Programme for Commissioners of Electricity Regulatory Commissions

Coordinator



Dr. Anoop Singh
Professor,
Industrial & Management Engineering

15-26 February 2021

08 IITK Nextgen Training and Research School (NTRS) on PYTHON + R Projects for 5G Wireless Technologies- "NOMA, Cooperative and Cognitive Radio"

Coordinator



Dr. Aditya K. Jagannatham
Professor,
Department of Electrical Engineering

10 May to 25 July 2021

09 Data Analysis in Criminal Justice

Coordinators



Dr. Mainak Chaudhury
Professor,
Computer Science Engineering



Dr. Arvind Verma
Center for Cyber Security and Cyber Defence

27 May to 4 June 2021

10 VORTEX 2021

Coordinator



Dr. Satyajit Banerjee
Professor,
Department of Physics

June 28 - July 1, 2021

11 IEEE Information Theory Society JTG/IEEE IT Summer School 2021

Coordinators



Dr. Adrish Banerjee
Professor,
Next Generation Broadcasting Chair Professor,
Department of Electrical Engineering



Dr. Ketan Rajawat
Associate Professor,
Department of Electrical Engineering

30 June to 4 July 2021

12 Advances in Robotics

Coordinator



Dr. Ashish Dutta
Professor,
Department of Mechanical Engineering



Dr. Anjali Vishwas Kulkarni
Principal Research Engineer,
Centre for Mechatronics,
Department of Mechanical Engineering



Faculty in Focus

Prof. Sandeep Shukla

Department of CSE
IIT Kanpur

<https://www.cse.iitk.ac.in/users/sandeeps/>

Prof. Sandeep K. Shukla is an IEEE fellow, and ACM Distinguished Scientist. He is currently a professor of Computer Science and Engineering department at IIT Kanpur which he headed during 2017-2020. He was the editor in chief of the ACM Transactions on Embedded Computing Systems during 2013-2020. He is currently associate editors of ACM Transactions on Cyber Physical Systems, and Journal of the British Blockchain Association. In the past he has served as associate editors of IEEE Transactions on Computers, IEEE Transactions on Industrial Informatics, IEEE Design and Test, and IEEE Embedded Systems Letters. Before joining IIT Kanpur in 2015, he was a professor at Virginia Tech, USA. He served as ACM Distinguished Speaker, and IEEE Computer Society Distinguished Visitor in the past. He has authored over 250 peer reviewed journal and conference papers, and authored/edited 10 books. He was awarded the Presidential Early Career Award in Science and Engineering (PECASE) in 2004 by the White House, The Fiedrich Wilhelm Bessel Award by the Humboldt Foundation in 2009, a Distinguished Alumnus Award by SUNY Albany in 2007, a Ramanujan Fellowship in 2015. His major research interest is Cyber Security of Critical Infrastructures, Cyber Security of IT/OT systems, and Applications of Blockchain Technology in Security and Privacy. He has taught MOOC courses in Cyber Security, and Blockchain. Currently he has been teaching a professional cyber security training program with Talent Sprint, and a Blockchain professional course on Simplilearn.

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

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