

NEWS LETTER

2023-24 Vol. III



About CEC IIT Roorkee (CEC IITR):

Continuing Education Centre, IIT Roorkee was established in 1955 for the promotion of knowledge up-gradation by organizing refresher/specialist courses for executives, working professionals and aspiring individuals. In addition to the up-gradation of knowledge, CEC IIT Roorkee courses also offer a launchpad to learners in the domains that are most sought after by the industry. CEC conducts sponsored and open participation programs in various disciplines of engineering, science, technology and management for learners both nationally and globally. Through these courses, CEC also provides the opportunity to visit and study at IIT Roorkee for a short duration. Apart from the technical expertise available in the Departments and Centres of the Institute, wherever necessary, experts from industries and R&D organizations are also invited to deliver talks/lectures.

With the world rapidly progressing towards a digital economy and ushering into industry 4.0, skills in the latest technologies including artificial intelligence, machine learning, 5G technology, IoE, robotics, biotechnology and quantum computing are required to enhance India's workforce employability and competence. Thus, keeping in mind the need for training and upskilling of professionals/individuals, CEC IIT Roorkee has launched PG/advanced certificate courses in data science, AI/ML, cloud computing, 5G as well as other areas of interest to both industry and individuals seeking to build a career in the emerging technologies. The courses are curated and delivered through the collaboration of experts from IIT Roorkee, other premier institutions, and the industry. Further, in the year 2024-25, a number of new programs have also been planned. Our courses are not only conducted in offline modes in Roorkee, Saharanpur and Greater Noida campuses but also in online and hybrid modes.

Achievements/Highlights:

35+ Sponsored Course

2100+Participants

20+ Open Participation Course

750+Participants



Message from the Director

I am delighted to announce that the Continuing Education Centre at IIT Roorkee is launching its third edition of newsletter for the period 2023 - 2024 to showcase its activities and initiatives. A key objective of both IIT Roorkee and CEC IIT Roorkee is to ensure that the impact of cutting-edge research and knowledge creation extends beyond our campus. In addition to our short-term courses, CEC has successfully organised open participation long-duration courses in specialized domains such as AI/ML, Data Science, Cyber Security, 5G and related technologies. The aim of these programs is to bridge the gap in trained manpower availability in the latest and high-demand areas required by the country. CEC IITR has also collaborated with leading EdTech companies to expand IITR's outreach in delivering high-quality content to a broader national and international audience.

I encourage all faculty members to contribute their suggestions and course proposals to various calls for courses from government departments, public and private organizations. This effort will help disseminate our research knowledge beyond the campus and make a broader impact.

I extend my congratulations to the CEC team on the release of this Newsletter.



Prof. Kamal Kishore Pant



Prof. Kaushik Ghosh

Message from the CEC Coordinator

I am pleased to present the third edition of CEC, IIT Roorkee's newsletter for the financial year 2023-24. This newsletter highlights the Centre's activities, accomplishments and contributions to the society. At CEC IIT Roorkee, our commitment is to provide executives, professionals and individuals with accessible, high-quality and transformative education. We are organising courses in sponsored as well as open participation mode. The duration of the course spans from one week to one year including PG and advanced certificate courses in open mode. Through our courses, we help the professionals and aspiring individuals to develop their cutting-edge competencies by which they could advance in their professional careers more efficiently.

CEC has signed partnership MoUs with many organizations this year like TalentSprint, Jaro Education, Protecon BTG, Futurewiz and Hunarho Learning Solutions Pvt. Ltd. etc. to offer courses and training programs in-demand areas.

Our courses are taken by participants from different countries around the globe enabling IITR to demonstrate expertise to a wider audience and create opportunities for collaboration. I'm delighted to announce that we have successfully conducted 36 sponsored courses and 20 open participation courses. These achievements were made possible by the active support and comprehensive cooperation of the IITR faculty and staff members. We are confident that our programs align perfectly with industry requirements, providing valuable learning experiences and upskilling opportunities that enhance India's workforce competencies. I extend my heartfelt gratitude to the IITR administration, faculty and staff members for their help, support and cooperation to achieve our objectives.



New Collaborations



MOU with Jaro Education



MOU with Fututrewiz



MOU with Protecon



MOU with Hunarho

Glimpses of CEC Programs



Event : Inaugural Function of course
Course : Recent Advances in Satellite-based Technologies for Monitoring Hydro climatological Extremes (RASTER 2023)
Duration : September 11 - 15, 2023
Course Coordinator : Prof. M.P. Mohanty



Event : Group Photograph
Course : Capacity Building of Civil Engineers of Minor Irrigation (MI) organization
Duration : Jan. 29 - Feb. 3, 2024
Course Coordinator : Prof. Deepak Khare

Glimpses of CEC Programs



Event : Campus Immersion
Course : PGCP Decision Making using Data Science
Duration : November 06-10, 2023
Course Coordinator : Prof. Abhishek Samantray



Event : Certificate Distribution
Course : Recent Advances in Satellite-based Technologies for Monitoring Hydro-climatological Extremes (RASTER 2023)
Duration : September 11 - 15, 2023
Course Coordinator : Prof. M.P. Mohanty

Open Participation Courses



Prof. Rajib Lochan Dhar
Coordinator

Human Resource Management and Analytics

The program is meant to give participants the information and abilities they need to effectively manage human resources in the contemporary business environment. It covers a wide range of topics, such as job analysis and design, strategies for hiring, selecting and retaining employees, performance management and appraisal, training and development, pay and benefits, skill and competency development, diversity management, the establishment of an organisational culture and employee engagement.



Program Partner: Imarticus Learning

Certificate Program in Project Management & Controls

Embark on a transformative journey towards professional excellence with the collaborative initiative of CEC IIT Roorkee and Protecon BTG—the Project Management and Controls Program. Designed to equip professionals with the skills and knowledge needed to navigate the dynamic landscape of project management, this program offers a unique blend of academic rigor and practical insights.

Whether you are a fresher seeking opportunity or an aspiring professional looking to refine your skills and aiming to enter the field, the CEC IIT Roorkee and Protecon BTG Program in Project Management and Controls is the gateway to a successful and fulfilling career.

Join us in shaping the future of project management excellence.



Prof. Kaushik Ghosh
Coordinator



Program Partner: Protecon BTG

Open Participation Courses



Prof. Sourabh Arora
Coordinator

Professional Certificate In Product Management

The professional Certificate In Product Management by CEC, IIT Roorkee, is curated explicitly for young professionals who want to start their career into Product Management.

The IIT Roorkee designed curriculum helps the learner master the entire product's lifecycle, from development to positioning to pricing and deployment.

The 5-month live product management course by IIT Roorkee allows the learner to build a product from scratch for advanced career growth and enhance their portfolio.

IIT Roorkee's best faculty and cutting-edge curriculum, followed by product development, provides the required knowledge of new-age product management and skills with a focus on the product roadmap, execution, growth, analytics and many more modern product development skills.



Program Partner: Imarticus Learning



Prof. Sparsh Mittal
Coordinator

Programming in RISC-V Assembly Language

Dr Sparsh Mittal offered an online 4 days short-course on "programming in RISC-V assembly language". It discussed user-mode RISC-V instructions and also covered the concepts of stacks and function-handling for both normal and recursive functions. It also covered encoding of RISC-V instructions. The course presented examples on converting C/C++ codes to RISC-V assembly language code and included hands-on session on RUPES simulator.

Program Partner : CEC, IIT Roorkee

Open Participation Courses



Prof Saptarshi Kolay
Coordinator

Think, Design, Create: Certificate Programme in UI/UX

User experience (UX) plays a pivotal role in shaping consumer behaviour by directly impacting how individuals interact with products, services, and digital platforms. A positive UX can enhance customer satisfaction, build trust, foster emotional connections and ultimately drive desired actions.

The Think, Design, Create: Certificate Programme in UI/UX is designed to equip learners with the knowledge and skills necessary to excel in the field of (UI) and (UX) design. This comprehensive curriculum of the IIT Roorkee UI UX design course covers essential concepts and practical tools to enable learners to create user-centred and visually appealing interfaces.



Program Partner: TimesPro



Prof. Bishnu Prasad Das
Coordinator

VLSI Design

The Post Graduate Certificate in VLSI Design enables professionals to develop VLSI chip designing capabilities that can power new-age technologies like AI, IoT, VR, mobility, cloud and analytics. In this course, participants will focus on reinforcing their fundamental understanding of MOS technology. Participants will explore band diagrams as an approach to device physics, build their understanding of MOS capacitors as two-terminal devices and gain an in-depth introduction to advanced FETs and their applications. The program is ideal for VLSI industry professionals who want to leverage the expertise of modern tools and technologies.



Program Partner: Coursera

Open Participation Courses



Prof. Kalpak Kulkarni
Coordinator

Digital Marketing and MarTech

This 4.5-month digital marketing & MarTech program is uniquely designed by the IIT faculty and industry leaders to help participants learn the functioning of the modern digital marketing industry, the use of technology and digital marketing channels like social media, emails, paid and organic search. This comprehensive digital marketing course will enable participants to streamline their marketing processes, build digital marketing strategies and provide means to help businesses reach their target audience.



Program Partner: Imarticus Learning



Prof. A. Ramesh
Coordinator

Business Analytics for Strategic Decision Making

This Business Analytics program will help participants gain knowledge. They need to turn your organization's data into a tactical asset to generate business value. After completion of the course, the participants will be able to make data-driven strategic decisions for your organization with this Business Analytics for Strategic Decision-Making program by CEC IIT Roorkee.



Program Partner: Simplilearn



Prof. Amit Updayhay
Coordinator

Business Analytics for Strategic Decision Making

This Business Analytics program will help participants gain knowledge. They need to turn your organization's data into a tactical asset to generate business value. After completion of the course, the participants will be able to make data-driven strategic decisions for your organization with this Business Analytics for Strategic Decision-Making program by CEC IIT Roorkee.



Program Partner: Simplilearn

Open Participation Courses



Prof. Usha Lenka
Coordinator

HR Analytics

Lead digital transformation in the world of HR by leveraging business analytics concepts learned through this CEC IIT Roorkee HR Analytics certification course. This program helps you to understand the core topics related to analytics and their applications in the HR domain. It is important to develop an analytical mindset and evaluate business objectives in a scientific way to derive meaningful insights. This HR Analytics course will help participants to learn the concepts around analytics, their practical use cases and techniques to build an analytical framework for their organization, with a special focus on the HR domain.



Program Partner: Simpli Learning



Prof. Alok Bhardwaj
Coordinator

Data Science and Machine Learning

The Post Graduate Certificate Program in Data Science & Machine Learning is an online program in partnership with TSW. The duration of the course is 11 months during which the learners are taught about the various aspects of Artificial Intelligence (AI) and Machine Learning (ML). The course that has been designed after several rounds of discussions with academicians and industry experts is a careful blend of the different topics of AI and ML and the necessary theory behind these concepts. The course is for working professionals and is well suited for fresher as well as for seasoned professionals. The course content includes topics like Python for DS, Statistical thinking Exploratory Data Analysis and Data Visualization, Essential Mathematics for DS and ML, Machine Learning Algorithms, Text Analytics, Programming with TensorFlow.



Program Partner: TimesPro



Prof. Peddoju Sateesh Kumar
Coordinator

Cyber Security

In the Advanced certification program in cyber security, the participants will be able to deal with complex projects that will be related to the real world and that will demand a minute understanding of concepts and gain experience and capability in assessing the skills.



Program Partner: Imarticus Learning



Prof. Raksha Sharma
Coordinator

Artificial Intelligence and Deep Learning

This PG Certificate Program is designed for those who want to gain hands-on experience in solving real-life problems using machine learning and deep learning. After finishing this specialization, participants will find creative ways to apply their learnings to your work. For example, they would like to build a robot that can recognize faces or change the path after discovering obstacles on the path, or maybe you would like to unearth hidden gems (like predicting next year's revenue or fraudulent transactions or building a recommendation engine etc) in your company's tons of data (logs, financial records, HR reports or e-commerce transactions reports).



Program Partner: CloudxLab



Prof. Rajat Agarwal
Coordinator

Supply Chain Management & Analytics

The Professional Certification in Supply Chain Management and Analytics has been designed to provide a cutting-edge experience to candidates who wish to enter the operations and supply chain industry. Supply Chain Analytics enables management to make data-driven decisions at strategic, operational and tactical levels. In the Supply Chain Management field, there is a shortage of professionals with process and analytics talents. This certification gets the participants ready for high-demand job roles such as Demand Planner, Data Scientist, Supply Planner and Supply and Operations Planner.



Program Partner: Imarticus Learning



Aditi Gangopadhyay
Coordinator

Data Science and Machine Learning

This course provides all conceptual knowledge from Linear Algebra required in the domain of Data Science and Machine Learning. First, participants will be introduced to real vector spaces and then to the linear transformations and their representations in terms of matrices. Participants will learn the importance of Eigen pairs in machine learning and various concepts such as orthogonality and projection. This course provides all conceptual knowledge from Linear Algebra required in the domain of Data Science and Machine Learning.



Program Partner: Coursera



Prof. Sparsh Mittal
Coordinator

Accelerators for Deep Learning

This course aims to inform students, practitioners and researchers in deep-learning algorithms about the potential and limitations of various processor architectures for accelerating deep-learning algorithms. At the same time, it seeks to motivate and even challenge the engineers and professionals in the architecture domain to optimize the processors according to the needs of deep-learning algorithms. Apart from performance and energy metrics, this course also discusses hardware reliability and security techniques for deep-learning algorithms and accelerators. A few real-life applications that benefit from AI-accelerators are reviewed, such as autonomous driving and brain implants. The course draws from recent research papers to showcase the state-of-art in these fields. To make the course self-sufficient, a reasonable amount of background is presented on both computer architecture and CNNs.



CLOUD x LAB

Program Partner: CloudxLab

5G Technology & IoT

With the Post Graduate Certificate in 5G Technology and IoT, participants will build a comprehensive understanding of the underlying principles of advanced communication as they pertain to fifth-generation (5G) wireless communication in the 3rd Generation Partnership Project (3GPP). They will focus on key aspects of 5G and beyond while exploring 5G challenges for software-defined radios, optical communication for IoT applications, mining techniques for IoT and smart cities and advanced signal processing aspects such as compressive sensing and sparse recovery. This program is ideal for communication industry professionals who want to understand various aspects of advanced communication systems and develop the software and hardware skills necessary to implement them.



Prof. Abhay Kumar Sah
Coordinator

coursera
Program Partner: Coursera

Testimonials/Reviews



Sreetama Ganguly

Key Relationship Manager, Niva Bupa, Bengaluru

An exceptional experience in completing Data Science and Machine Learning course with IIT Roorkee and TimesPro. The faculty were reachable in case of any doubts. I would recommend people to go ahead with this course and if you join then don't miss the Campus immersion

Course: Data Science & Machine Learning
Program Partner: TimesPro



Swimmi Patil

HR Manager - Intelligent Industrial Internet Systems Pvt Ltd ,Mumbai

I express my deepest gratitude for the exceptional experience I had at IIT Roorkee during the Human Resource and Analytics course. My sincere appreciation goes to Dr. Rajib Dhar for his unwavering assistance and guidance throughout the six-month journey. I am excited to leverage these skills to improve HR procedures and embark on a transformative HR journey. I am truly thankful to IIT Roorkee for providing me with this invaluable learning opportunity.

Course : HRM & Analytics
Program Partner : Imarticus



Dr. K.V. Nagaraj

As an academician, I needed to update my knowledge in the area of digitalisation to upskill my students, I found Advanced Certificate in Digital Marketing course with CEC IIT Roorkee.

Course: Digital Marketing
Program Partner : Imarticus



Shourya Singh

Associate, UnitedLex - Gurgaon

The course design was such that a complete knowledge of data science could be attained. I really liked that everything was done as per schedule. Also, the course being provided by a premier institute of the country was a huge plus point

Course: Data Science & Machine Learning
Program Partner : TimePro



Deeksha De

HR Associate - RMZ One Paramount, Chennai

I am incredibly grateful for the enriching experience I had during the Human Resource Management & Analytics course at IIT Roorkee. A heartfelt thanks to Dr. Rajib Dhar for his unwavering support and guidance throughout the six-month journey. The practical applications and hands-on experience have been invaluable. I'm excited to apply these skills to drive meaningful improvements in HR processes. This course has truly been transformative in my professional growth. Thank you, IIT Roorkee, for this exceptional learning opportunity.

Course : HRM & Analytics
Program Partner : Imarticus



Arvinder

This course has been life-changing for me, and I consider it the best decision I've ever made.

Course : Digital Marketing
Program Partner : Imarticus

Testimonials/Reviews

Ankush Singh

The partnership between IIT Roorkee and CloudxLab for the PG Certificate in AI program has been exceptional. The faculty from IIT Roorkee, especially Raksha Ma'am, provided great insights and assistance in mastering machine learning algorithms. This course offers a comprehensive and holistic understanding of data science, making it a truly enriching experience. I deeply appreciate the efforts of both IIT Roorkee and CloudxLab in delivering such a quality program

Course Name : PG Certificate in AI
Program Partner: CloudxLab

Chemmalar Selvi

IIT Roorkee's partnership with CloudxLab for the PG Certificate in AI program has been an enriching experience. The institution's academic excellence, combined with CloudxLab's innovative LMS platform, offered a seamless blend of theoretical knowledge and practical application. The challenging exercises and hands-on projects were invaluable. I deeply appreciate IIT Roorkee's commitment to providing top-notch education and resources. I am grateful for this opportunity to enhance my learning. Learning is a continuous process.

Course Name : PG Certificate in AI
Program Partner: CloudxLab

Ashutosh Kapoor

Mumbai

Since I began working in agencies, I have always been involved with the creative department. I wanted to know what goes on behind the scenes, including setting up pages, SEO, email marketing, banner ads, etc. I enrolled for the Advanced Certification in Digital Marketing and MarTech created with DoMs, IIT Roorkee

Course: Digital Marketing
Program Partner : Imarticus

Shourya Singh

James Jose - PCBL LTD, Palej Gujarat

It was an overwhelming experience for me to get the knowledge transfer from such Learned Faculty. Will definitely cherish the moments spent here and will contribute in every aspect in the organization

Course: Advanced Program for PCBL Ltd

Jayaprakash S

PCBL Limited, Karimnagar, Brahmapuram

It was a great learning experience in one of the prominent Institute in the country. It will definitely help me to improve my skills in the way forward for my career as well as for the betterment of the organization.

Course: Advanced Program for PCBL Ltd

Ashish Kumar

Mumbai

The curriculum is up to date for the traditional and digital marketing industries. Therefore, a continuous evaluation is very important for our perfect learning in the course. Moreover, our digital marketing faculty is friendly, helpful and cooperative, with in-depth knowledge of subjects. The entire team at Imarticus Learning is very supportive

Course: Digital Marketing
Program Partner : Imarticus

Sponsored Courses:

Flipkart Augmentation of Industrial Relations <i>April 24-29, 2023</i> Prof. Santosh Rangnekar	New Technologies including FDR (Batch – I) <i>June 1-3, 2023</i> Prof. Praveen Kumar
Advance Inventory Management <i>June 13-14, 2023</i> Prof. Rajat Agarwal	New Technologies including FDR (Batch – II) <i>July 03-05, 2023</i> Prof. Praveen Kumar
Technical Course in Civil Engineering <i>June 26-29, 2023</i> Prof. Rakesh Ranjan	Certification Program in Electricity (Power) Markets, <i>July 31- August 02, 2023</i> Prof. Tarun Sharma
Energy Transition and Sustainable Development <i>August 03-05, 2023</i> Prof. Arun Kumar	Analytical Thinking for Excellent Performance <i>August 10-12, 2023</i> Prof. Rajat Agarwal
Certificate Course in Artificial Intelligence and Machine Learning <i>August 21-Sept. 12, 2023</i> Prof. Millie Pant	Pumped Storage Projects <i>August 28-30, 2023</i> Prof. Arun Kumar
Renewable Energy & Challenges of Integration with the Grid <i>Sept. 04 - 06, 2023</i> Prof. Himanshu Jain	Pumped Storage Plant Sept. 11-15, 2023 Prof. Arun Kumar
Recent Advances in Satellite based Technologies for Monitoring Hydro-climatological Extremes (RASTER 2023) <i>Sept. 11-15, 2023</i> Prof. Mohit Prakash Mohanty	Programming in RISC-V Assembly Language <i>Sept. 18-22, 2023</i> Prof. Sparsh Mittal
RISC-V Assembly Language Programming, <i>Sept. 19-22, 2023</i> Prof. Sparsh Mittal	Impact on Grid due to High Penetration of Renewable Energy <i>Sept. 20-22, 2023</i> Prof. Himanshu Jain
Artificial Intelligence and Machine Learning (Batch - 02) <i>Sept. 25, 2023 to Oct. 18, 2023</i>	Energy Analytics <i>October 11-13, 2023</i> Prof. Tarun Sharma

Sponsored Courses:

Dynamic Analysis of Bridges for Earthquake & Moving Loads October 16-17, 2023 Prof. Yogender Singh	Pumped Storage Projects Oct. 16-20, 2023 Prof. Himanshu Jain
Key drivers for Hydropower and Measures for Reduction in Cost & Tariff of Hydro Power Oct. 17-19, 2023 Prof. Arun Kumar	Design and Evaluation of Flexible Pavement - Principles and Practices (DEFP-3) Oct. 20-22, 2023 Prof. Nikhil Saboo
Advanced Certification Programme on Big Data Analytics: Software System Design and Development Nov. 18, 2023 – March 24, 2024 Prof. Sandeep Kumar Garg	Latest Technologies in Water Sector Dec. 04-08, 2023 Prof. Ashish Pandey
Advanced Program for PCBL Limited December 18-22, 2023 Prof. Inderdeep Singh	Capacity Building of Civil Engineers of Minor Irrigation (MI) Organization, Batch – 01 January 8-13, 2024 Prof. Deepak Khare
Energy Transition and Hydrogen Economy January 10 -12, 2024 Prof. Pratham Arora	Solar /Wind Power Technology Plants from Inception to Commissioning, January 22-24, 2024 Prof. Rhythm Singh
GIS and Remote Sensing in Water Resources Project January 26-30, 2024 Prof. Ashish Pandey	Capacity Building of Civil Engineers of Minor Irrigation (MI) Organization, Batch – 02 January 29, 2024 to February 03, 2024 Prof. Deepak Khare
Hydrological Data Collection Processing and Analysis for Surface Water Projects February 1-5, 2024 Prof. S.K. Mishra	Training of Trainers (ToT) under Jal Urja Mitra Programme February 5-15, 2024 Prof. Arun Kumar
Hydro and Renewable Energy Feb. 26-28, 2024 Prof. Amit C. Bhosale	Artificial Intelligence and Machine Learning Feb. 28, 2024 to March 20, 2024 Prof. Millie Pant
Innovative Concepts in Energy Storage Systems March 7-9, 2024 Prof. Himanshu Jain	Automotive Embedded Systems: An Hands-On Approach (Batch – I) March 18-22, 2024 Prof. Rahul Thakur
Flipkart Augmentation of Industrial Relations, March 18-23, 2024 Prof. Santosh Rangnekar	

Faculty in Focus



Prof. Deepak Khare

Dr. Deepak Khare is a Professor (HAG) in the Department of Water Resources Development & Management, IIT Roorkee.

He has made significant contributions to CEC by organising various training courses in the area of capacity building of the officers of Uttarakhand, NHPC, NABARD, Department of Water Resources Odisha. For Odisha Government around 250 Officers were trained during 2012-2015 and recently an MOU is signed for "Capacity Building of 160 Civil Engineers of Minor Irrigation (MI) Organization Under the Department of Water Resources, Odisha in 8 batches. Recently he has successfully completed IIIrd batch of training program of the MOU.

Prof. Rajat Agrawal is Professor and Head of Department of Management Studies (DoMS). He is also DPIIT-IPR Chair. He is a joint Faculty at Department of Design and also associated with CoEDMM and CTRANS. Prof. Rajat has organised 6 batches of six months online Advanced Certificate Program in Supply Chain Management and Analytics. He has multiple MOOCs offered through NPTEL which are very popular and offered as rerun regularly. He has organised many MDPs and FDPs in CEC and OIP for different organizations such as BEL, BHEL, Mittal-HPCL Energy Ltd., THDC Ltd. He is a regular speaker in different short term courses at CEC.



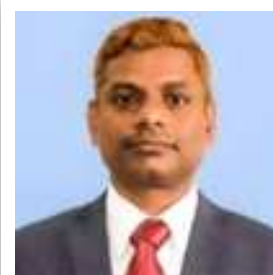
Prof. Rajat Agarwal



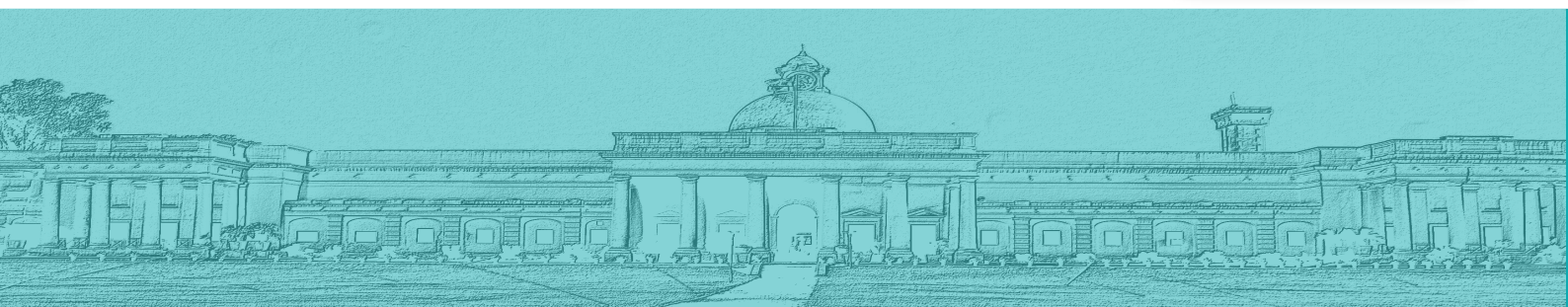
Prof. S. Rangnekar

Dr. Santosh Rangnekar is working as Professor (HAG) at Department of Management Studies, Indian Institute of Technology, Roorkee. Recently he has organised a six days' short term course for the officers of Flipkar Internet Pvt. Ltd. Also he has organised many short term courses in CEC and OIP and delivered lectures in various courses. He had been PI and CO-PI in LEAP Program.

Dr. Sateesh K. Peddoju is an experienced professor in Department of Computer Science and Engineering and Head of Institute Computer Centre of IIT Roorkee. He is also a Researcher, Thinker, Listener, Advisor, and Motivator with a demonstrated history of working in higher education. Prof. Sateesh has successfully organised five batches of six months Advanced Certificate Programme in Cyber Security.



Prof. Sateesh K. Peddoju



Faculty in Focus

Prof. S.K. Mishra is a Professor in the Department of Water Resources Development and Management, IIT Roorkee. Prof. Mishra has organized several training programs related to (i) Hydrological data Collection, Processing and Analysis of Surface water Projects; (ii) Hydropower Projects; (iii) TEOIP courses for technical institutions, (iv) Small Dam Construction Management and Supervision (v) Construction Supervision- Quality Control, (vi) River Training Works (vii) Dam Break Analysis, (viii) Economic Development for Rural and Smaller Communities (ix) Water Resources Engineering, (x) Water Resources Project Administration (xi) Modern irrigation Practices (xii) Water Resources Project Administration and (xiii) Livelihood in river basin and so on.



Prof. S.K. Mishra



Prof. Vinay Sharma

Vinay Sharma, a professor at IIT Roorkee has contributed terminology in marketing innovation literature. He has trained senior executives including Managing Directors, CEOs and senior managers of large corporations and multinationals (more than 5000 executives for more than 1000 hours in all). He has published and presented around 155 papers. Recently organized a course for the Philips Carbon Black Ltd. We received an overwhelming positive response from course participants who have expressed immense value in the course

Dr. Inderdeep Singh is a Professor in Department of Mechanical and Industrial Engineering, IIT Roorkee. He is actively involved in the activities of Continuing Education Centre (CEC). He has organised several CEC/QIP short-term courses and delivered lectures in various advanced courses conducted by CEC. He has been the Coordinator of courses/workshops sponsored by Ministry of Education (through Design Innovation Centre), Ministry of MSME (Design Awareness Workshops for industry professionals) and Ministry of Electronics and Information Technology (through EICT Academy). Recently, he conducted a short-term course for the officers of Philips Carbon Black Ltd.

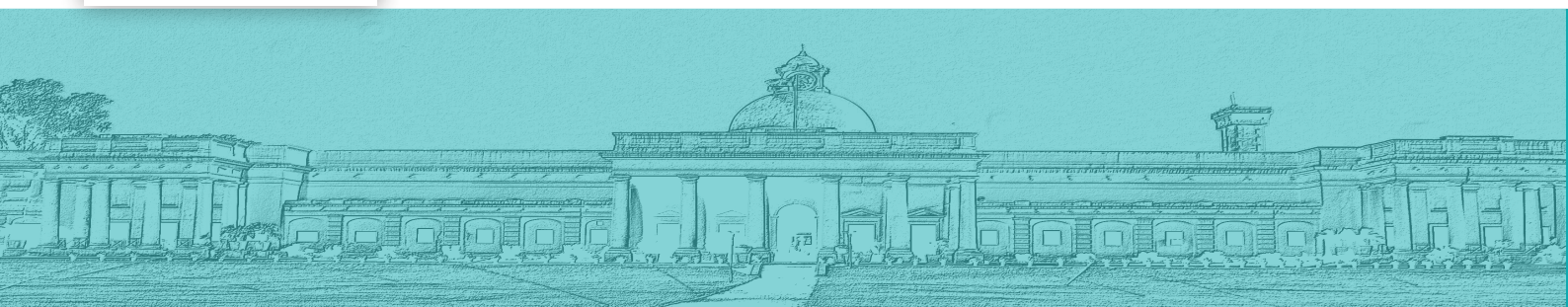


Prof. Inderdeep Singh



Prof. Gaurav Dixit

Dr Gaurav Dixit is a joint faculty in the Mehta Family School of Data Science and Artificial Intelligence, where he currently teaches Deep Learning and a core faculty in the Information Systems Group in the Department of Management Studies, where he currently teaches IT & Organization and Digital Transformation. In the past, he organized many courses related to data science, machine learning and AI at CEC. He pioneered online certification courses at IIT Roorkee and was likely the first faculty across all IITs, starting the initial discussion and work in 2019 before the COVID-19 pandemic.



Faculty in Focus



Prof. Rajib Dhar

Prof. Rajib Dhar is a distinguished figure in Human Resources, renowned for his extensive expertise and transformative impact. With over 1000 professionals trained, he excels in talent development, employee engagement and diversity management. However, it's his pioneering work in HR analytics that truly sets him apart. In an age where data reigns supreme, Prof. Dhar's guidance empowers professionals to navigate the complexities of HR analytics with confidence. Join Prof. Dhar on a journey where knowledge meets innovation and analytics reshapes the HR landscape.

Dr. Kalpak Kulkarni is an Assistant Professor of Marketing at the Department of Management Studies (DoMS), IIT Roorkee. Prof. Kulkarni has created cutting-edge digital marketing and MarTech programs offered through CEC IIT Roorkee and teaches Marketing Management, Digital Marketing and Services Marketing to MBA and Executive MBA cohorts at DoMS, IIT Roorkee.



Prof Kalpak Kulkarni



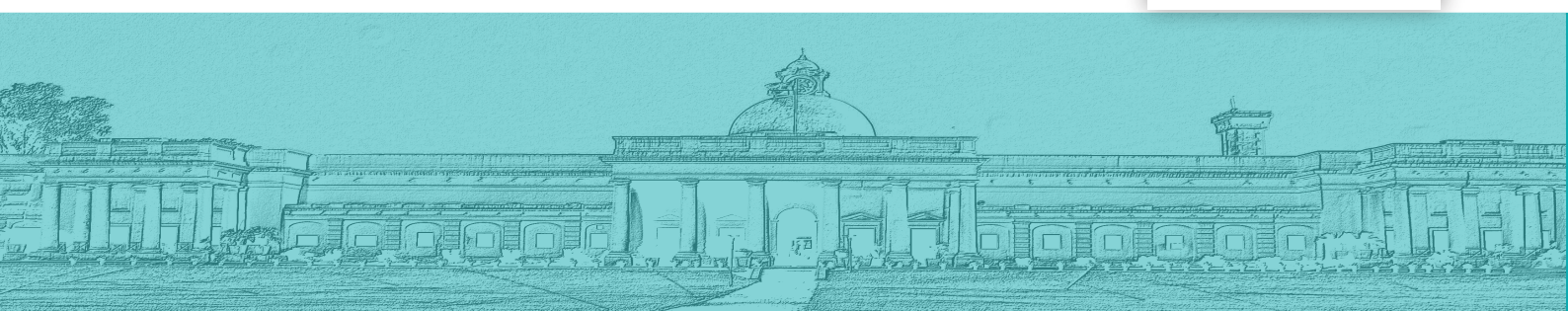
Prof. Tarun Sharma

Prof. Tarun Sharma is an Assistant Professor at Department of Management Studies (DoMS) and a joint faculty at Center for Sustainable Energy. Prof. Tarun has organised 3 three day training programs for NTPC on electricity markets, energy analytics and energy modelling. He was CO-PI for two batches of Supply Chain Strategies with AI which ran online for six months each. He is a regular speaker in different short term and online courses at CEC.

Dr. Nikhil Saboo is as an Assistant Professor in the Department of Civil Engineering at IIT Roorkee. He has been working on several externally funded projects worth more than 600 Lakhs. He is in the editorial board of journals such as ICE (Institute of Civil Engineers), Transport; ICE, Construction Materials and Advances in Civil Engineering, Hindawi. He has organised workshop on Design and Evaluation of Flexible Pavement-Principles and Practices (DEFP-3) and delivered lectures in many courses conducted by CEC.



Prof. Nikhil Saboo



Faculty in Focus



**Prof. Mohit Prakash
Mohanty**

Prof. Mohit Prakash Mohanty is an Assistant Professor at the Department of Water Resources Development and Management (WRD&M). He has led various water and disaster management-related courses, such as an e-ITEC course on River Engineering and Management sponsored by the MEA, GoI and Recent Advancements on Space Technology Applications for Hydro-Climatological Extremes sponsored by IIRS (ISRO). Recently, he completed a training programme on Water, Built environment and Emergency Preparedness in 4 batches. He has been invited to speak for various training courses organized at CEC

Prof. Rahul Thakur is an Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology Roorkee. He is the founder and In-charge of the IoT lab at IIT Roorkee. He has conducted various industrial training workshops for working professionals including Maruti Suzuki, L&T, SAIL, etc..



Prof. Rahul Thakur



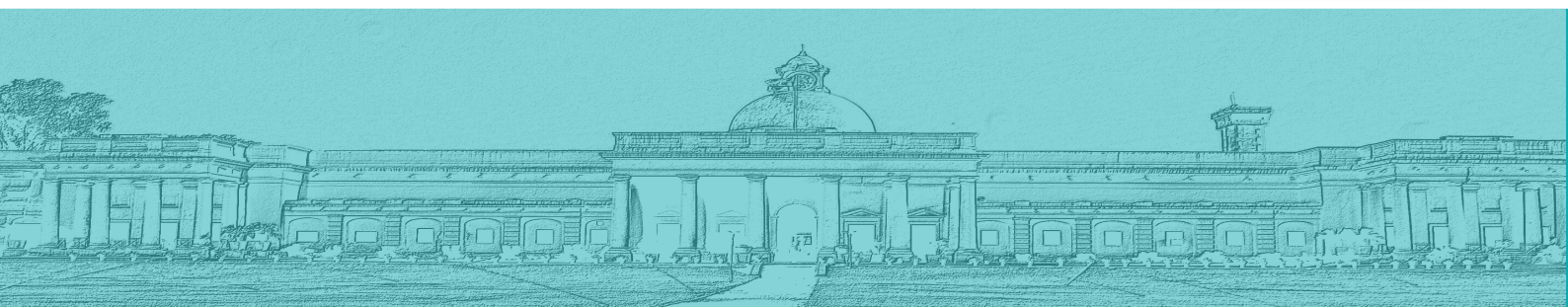
Prof. Deep Kiran

Prof. Deep Kiran is an Assistant professor in the Department of Electrical Engineering (EED) at the Indian Institute of Technology Roorkee. He has organized multiple certification programmes for the National Thermal Power Corporation (NTPC) Limited and the National Hydro Power Corporation (NHPC) Limited. He is a speaker in a variety of short-term courses at CEC.

Prof. Himanshu Jain is an Assistant Professor in the Department of Hydro and Renewable Energy at IIT Roorkee. At IIT Roorkee, Dr. Jain has coordinated six short-term training programs for the officers of NHPC and engineers and officers in various regulatory bodies of Bhutan. These training programs included lectures from expert faculty from various departments of the institute and industry. Such training programs are an excellent opportunity for exchanging knowledge and understanding the problems of industry that we can find solutions for through our research.



Prof. Himanshu Jain



CEC Staff



Prof. Kaushik Ghosh
Coordinator CEC

<https://iitr.ac.in/cec/Coordinator.html>



Mr. Subhash Chand



Mr. Sonal Kumar



Mr. Sharad Sharma



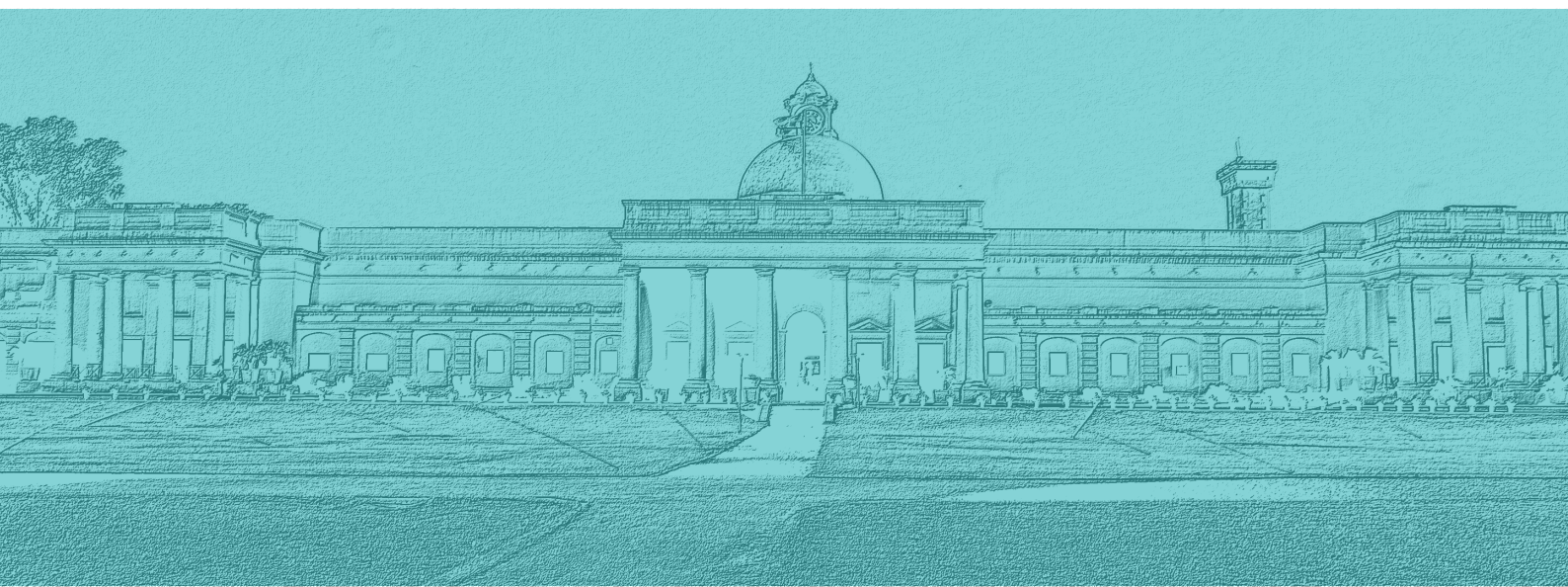
Ms. Shakti Sahni

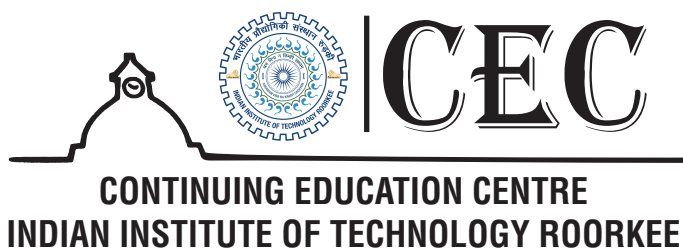


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