



Electricity Market Workshop

Residential Training Programme

by

IEX Academy

in collaboration with

**IIT Bombay Research Hub for Green
Energy & Sustainability**

12th –14th January 2026

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Training Agenda

Day	Topic
Day 1 12th January	Inaugural and Programme Overview
	Introduction to Electricity Markets
	Evolution of Power Markets (history)
	Electricity Regulations and Energy Transitions
	The Introduction to Power Exchange
	Overview of Power Exchange
	Products at the exchange
	Integration of RE (CfD, VPPA, BESS arbitrage)
Day 2 13th January	Scheduling problem
	Portfolio Optimization CEA Case Study
	Market representation
	Monte Carlo simulations
Day 3 14th January	Field Visit
	Case study discussion
	IEX Trading platform – Familiarization
	Strategizing Trades (Round Table Discussion)
	Closing Remarks and Felicitation



Program Details

Dates - 12th - 14th January 2026

Check-in: 11th January | **Check-out:** 14th January)

Venue and accommodation: Indian Institute of Technology Bombay, Powai, Mumbai

Course Fee: ₹75,000 + tax

Contact: Vikash Chauhan +919319310347 iexacademy@iexindia.com

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FACULTY PROFILE



Prof Satish Agnihotri

Dr. Satish B. Agnihotri, formerly a career bureaucrat, is now Emeritus Professor at IIT Bombay at the Centre for Technology Alternatives in Rural Areas (CTARA). He retired as Secretary (Coordination & Public Grievances), Cabinet Secretariat where he also held the charge of Secretary (Security), Secretary Performance Management and Chairman, National Chemical Weapons Authority. Prior to this he was Secretary, Ministry of New & Renewable Energy. He has been a member of the Dhirendra Singh Committee on 'Make in India in Defense Sector', Co-Chair of the Raman Puri Committee on Quality issues in Ordinance and also the Chairman of the MNREGA Awards Committee - 2016.



Prof. S A Soman

Prof. S. A. Soman is a Professor in the Department of Electrical Engineering at IIT Bombay, with extensive expertise in power system analysis, modeling, optimization, and protection. His research focuses on power system economics, wide-area measurement systems, and system protection. He received both his M.E. & Ph.D. in Electrical Engineering from Indian Institute of Science Bangalore. He is a Senior Member of IEEE and holds the position of Director at PowerAnser Labs (PAL). Since joining IIT Bombay in 1996, Prof. Soman has been actively teaching courses such as optimization, power systems, matrix computations, and digital protection of power systems. He is the co-author of Computational Methods for Large Sparse Power Systems Analysis: An Object-Oriented Approach, a renowned textbook in the field.



Mr. Rohit Bajaj, JMD, IEX

Mr. Rohit Bajaj is a seasoned Management & Business Development professional with over 30 years of experience in the energy sector, specializing in power markets, trading, renewable energy, power sales, commercial strategies, marketing, and regulatory affairs. His expertise spans both power and oil & gas industries, where he has played a pivotal role in shaping market strategies and driving business growth. Mr. Bajaj has been instrumental in advancing power sector reforms, fostering competition, and enabling efficient energy transactions. His leadership extends to renewable energy integration, regulatory compliance, and structuring innovative energy contracts, contributing to the evolution of India's energy landscape. At IEX, Mr. Bajaj has been a key advocate for transparent and efficient market-based energy solutions, supporting industry stakeholders in navigating the evolving regulatory framework.



Prof. Anupama Kowli

Prof. Anupama Kowli is an Associate Professor in the Department of Electrical Engineering at IIT Bombay, specializing in power systems operation and control, demand-side management, electricity markets, and smart and sustainable buildings. With a Ph.D. and M.S. in Electrical and Computer Engineering from the University of Illinois at Urbana-Champaign, she has established herself as a leading researcher and won several awards for her contributions to demand response and smart buildings. Dr. Kowli currently manages two live testbeds and experiments on the solar house at IIT Bombay, collaborating with industry leaders such as Enphase Energy, SustLabs, and FlockEnergy on projects in residential energy management and smart meter data informatics.



Mr. Sudhir Bharti, VP market Operations

Mr. Sudhir Bharti is the Vice President, Market Operations at Indian Energy Exchange (IEX), bringing extensive expertise in power market operations, trading strategies, and market regulations. With a deep understanding of electricity markets, grid operations, and policy frameworks, he has been instrumental in ensuring the seamless functioning of power trading and market mechanisms at IEX. Mr. Bharti plays a key role in market development, participant engagement, and operational efficiency, driving initiatives that enhance transparency, liquidity, and accessibility in energy trading. His leadership contributes significantly to strengthening India's power market ecosystem, fostering competition, and enabling market-based solutions for a sustainable energy future.

About us



IEX Academy is an initiative of Indian Energy Exchange, offering to enhance expertise across the energy sector. The academy offers certification programs on relevant and emerging topics in the power industry and enables the participants with ample opportunities to learn through forums and gain insights from the experts who have been shaping India's Power Market for the past 15+ years. IEX Academy is upskilling the Power Market through Certification Courses, Management Development programs, Residential Training Workshops and Foundation Training on Power Market.



Indian Energy Exchange (IEX) is India's premier energy marketplace, facilitating transparent, efficient, and competitive trading of electricity, renewable energy, and gas. Established in 2008, IEX plays a crucial role in India's energy transition, enabling market-based solutions for power procurement, capacity optimization, and renewable integration. With a robust technology-driven platform, IEX provides a real-time, automated trading environment for diverse market participants, including discoms, generators, industrial consumers, and traders. It has pioneered innovative market segments like Day-Ahead Market (DAM), Term-Ahead Market (TAM), Real Time Market (RTM), and Green Markets supporting India's vision for energy security, sustainability, and affordability.



Indian Institute of Technology Bombay (IIT Bombay) is one of India's premier institutions for engineering, science, and technology education and research. Established in 1958, IIT Bombay has consistently been at the forefront of innovation, academic excellence, and industry collaboration. With a strong emphasis on entrepreneurship, technology development, and interdisciplinary learning, IIT Bombay has fostered numerous successful startups and industry partnerships. The institute's contributions to power systems, renewable energy, artificial intelligence, and sustainable development make it a key player in shaping India's technological landscape.



IT Bombay Research for Green Energy and Sustainability Research Hub (GESHIITB) The IIT Bombay Research Hub for Green Energy and Sustainability (GESH IITB) is a premier Centre at IIT Bombay dedicated to advancing interdisciplinary research, innovation, and education in green energy, climate studies, and sustainability. GESH IITB fosters cutting-edge scientific exploration and collaborative efforts among academia, industry, and policymakers to develop impactful solutions to global sustainability challenges. In addition to research, the Hub operates through multiple strategic verticals. The education and training vertical serves as a center for knowledge dissemination and skill development, offering high-quality courses, workshops, and training programs tailored to evolving industry and societal needs



IEX Academy offerings



Certification Courses: Self-paced learning courses that awards the certificate upon completion and passing the exam.



Management Development Programme: Training workshops, in collaboration with leading educational institutes, bring together the best of industry and academia.



Residential Training Workshop: 3 to 5-day residential training workshops provide insights and knowledge on the latest trends in the power sector. The workshops include a site visit and a hands-on session on power trading.



Foundation Training on Power Market: Perfect for companies looking to induct freshers into the power market, these workshops cover all areas from development of the Power Sector to products and regulatory policies of Power Trading.



Customised Training: A customised training plan can be created to suit your organisation's specific training needs after conducting a detailed Training Need Analysis.



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