



RESIDENTIAL TRAINING PROGRAMME ON

ROLE OF MARKET IN INDIA'S ENERGY TRANSITION

24th – 26th MARCH 2025

BY
IEX ACADEMY

IN COLLABORATION WITH

**IIT BOMBAY RESEARCH HUB FOR
GREEN ENERGY & SUSTAINABILITY**

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TRAINING AGENDA

Date	Topic
24-Mar-25	Introduction to Electricity Markets - Evolution of Power Market and Regulatory Enabler
	The Scheduling Problem for the Utilities - Classic dispatch problem and Optimizing between contracts and markets
	The Introduction to Power Exchange – Products and Integration of RE through Market
	Introduction to forecasting (prices/demand)
25-Mar-25	Portfolio Optimization – Market Representation, Monte Carlo simulations and Case Study
	Trading simulation
26/03/2025 Half Day	Strategizing Trades - Round Table Discussion
	IEX Trading platform – Familiarization
	Closing remarks and felicitation

Check in: 23rd March 2025

Check out: 26th March 2025

Accommodation: IIT Bombay Guest house

Training Fee: ₹75,000 + Taxes

Contact : Vikash Chauhan +91 9319310347, iexacademy@iexindia.com

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FACULTY PROFILE

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.

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, Rohit has been a key advocate for transparent and efficient market-based energy solutions, supporting industry stakeholders in navigating the evolving regulatory framework.

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.

WHO WE ARE



About IEX Academy

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.



About IEX

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.



About IIT Bombay

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.

IIT Bombay Research for Green Energy and Sustainability

Research Hub (GESH IITB)

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.

