Ankur Srivastava | Programme Lead | Power Markets

Dr. Ankur Srivastava works as a Programme Lead in the Power Markets team. His work focuses on advancing cost-effective renewable energy integration through system modelling and transmission planning, and strengthening the role of Discoms in the clean energy transition through decentralized deployment and distribution-level interventions.

He holds a doctorate in Electric Power Engineering from Chalmers University of Technology, Sweden. His doctoral research focused on the development of advanced tools in power system operation, protection, and monitoring for system operators in the context of increasing renewable energy penetration. He earned his Master of Technology (M.Tech.) in Electrical Engineering (Power Systems Engineering) from the National Institute of Technology (NIT) Warangal, and a Bachelor of Technology (B.Tech.) in Electrical and Electronics Engineering from Uttar Pradesh Technical University.

He has authored over 20 publications in leading journals and conferences, including IEEE Transactions, Elsevier, and IET, and contributed to numerous technical and project reports as part of international collaborations and applied research initiatives. He regularly delivers invited talks exploring the evolving impacts of renewable energy integration and emerging actors such as electric vehicles on the power grid.

Prior to joining The Council, he formerly worked at RTI International India under the USAID-funded South Asia Regional Energy Partnership (SAREP) project as a Transmission and System Studies Specialist, based in New Delhi. During this period, he led the transmission activities and actively engaged with both central and state transmission utilities in India, as well as in five other South Asian countries. Some of the key activities he contributed to included resource and transmission adequacy assessment, system inertia estimation for the Indian grid, feasibility studies on installing synchronous condensers in renewable energy-rich areas, and network reconfiguration studies to standardise voltage levels and reduce operational challenges. He also contributed to modernisation roadmaps for State Transmission Utilities (STUs) and State Load Dispatch Centres (SLDCs), with an overarching aim of enhancing operational efficiency, grid resilience, and renewable energy integration.

Before starting at RTI International India, he served as an Assistant Research Professor and Postdoctoral Researcher & RTDS Lab Manager at the University of Connecticut, USA, where he conducted research in areas such as power system state estimation, cyber-physical security of power systems, and real-time hardware-in-the-loop simulation studies. Earlier in his career, he worked at the Indian Institute of Technology (IIT) Kanpur as a Project Engineer, contributing to the development of optimization-based topology error detection methods for power systems. Previously, he also worked as a Site and Commissioning Engineer at SMS India Private Limited (SMS Siemag Germany), where he supervised engineering implementation and commissioning works at Visakhapatnam Steel Plant.

His expertise spans renewable energy integration, power system planning, grid stability and resilience, and operational challenges in low-inertia, renewable-rich systems. He has engaged with a broad range of stakeholders, including power utilities, across India, Europe, and the United States of America. He is an active member of the IEEE Power & Energy Society and several specialized IEEE Working Groups and Task Forces focused on power system state estimation, distributed energy resources, and cyber-physical security in power systems. He also serves as a Reviewer for prominent journals including IEEE Transactions and Elsevier publications, as well as leading IEEE conferences.

Outside of work, he enjoys playing badminton, traveling, and exploring new cuisines and cultures.

Google Scholar Link-

https://scholar.google.com/citations?hl=en&user=NR_7v-wAAAAJ&view_op=list_works&sortby=pubdate

LinkedIn-

https://www.linkedin.com/in/anks0512/