

## **BRIEF BIO-SKETCH**

Prof Sukumar Mishra, Director, Indian Institute of Technology (Indian School of Mines), Dhanbad, an acclaimed researcher and effective administrator and has carved a niche for himself in the field of Electrical Engineering.

As part of his administrative role, he has served as Dean, Research and External Engagement, IIT Delhi- Abu Dhabi Campus and also as Associate Dean (R&D). His research expertise lies in fields of Smart grid, Grid integration of renewable energy sources, intelligent control, modeling and optimization of power systems, Power System stability and control, technologies for smart grids, electric vehicle (EV) charging infrastructure, MPPT for PV and wind energy conversion system, voltage and frequency control of Microgrid having both inverter and rotating machine-based sources, stability of inverter based system.

With a rich industrial experience, Prof Mishra has won many accolades such as **Young Scientist Award** (1999) by Orissa Bigyan Academy, **Young Engineer Award** (2002) by Indian National Academy of Engineering, New Delhi (INAE), **INSA Medal for Young Scientist** (2002) by INSA, **Career Award for Young Teachers** (2004) by AICTE, **Silver Jubilee Young Engineer Award** (2012) by INAE, New Delhi, **Samanta Chandra Sekhar Award** (2016) by Odisha Bigyan Academy, **Distinguished Investigator Award** (2019) by SERB, **NASI-Reliance industries Platinum Jubilee Award for Application Oriented Innovation in Physical Sciences** (2019) by NASI, **Outstanding Teachers Award** (2021) by INAE, New Delhi, **Prof. K.L. Chopra Applied Research Award** (2023) by IIT Delhi, **Distinguished Alumnus Award** (2023) by VSSUT, Odisha, **Award for Excellence** (2023) by Power Grid and IEEE India Council (IC), Hyderabad, **Hingorani Award for Excellence** in Solar Photovoltaic Systems (2024) by IEEE (PES), among others

He has been granted fellowship of various professional bodies, including, Fellow of Institute of Electrical and Electronics Engineers (FIEEE), 2025; Fellow of Asia-Pacific Artificial Intelligence Association (AAIA), 2025; INAE-SERB, DST Abdul Kalam Technology Innovation National Fellowship, India (2023); The Institution of Engineers, India, 2016; National Academy of Science, India, (NASI) 2014; Indian National Academy of Engineering, New

Delhi (INAE), 2009; Institution of Engineering and Technology, London, UK (FIET), 2011; Institute of Electronics and Telecommunication Engineers (FIETE), 2006.

Prof. Mishra has also carried out many important industrial consultations with TATA Power, Microtek and others. He is the founder of SILOV SOLUTIONS PRIVATE LIMITED under the Companies Act, 2013. The company specifically deals in products related to renewable energy sources utilizable at household scale as well as at commercial setups for example bidirectional electric vehicle supply equipment, AC based EV charger, DC based EV charger, grid connected solar inverters, smart DC home management systems, online UPS etc.