



WORKSHOP ON CYBER SECURITY OF POWER GRIDS



COURSE CO-ORDINATOR: **PROF SARASIJ DAS, IISC**

Course Schedule

23rd to 26th December 2025

Registration Deadline: 20th November 2025

Course Mode: Offline, IISc Campus, Bengaluru

Registration Fee

Student/Project Assistants: INR 8000+18% GST

Post-Docs: INR 10000+18% GST

Faculty of College/University: INR 11000+18% GST

Industry: INR 15000+18% GST

Registration

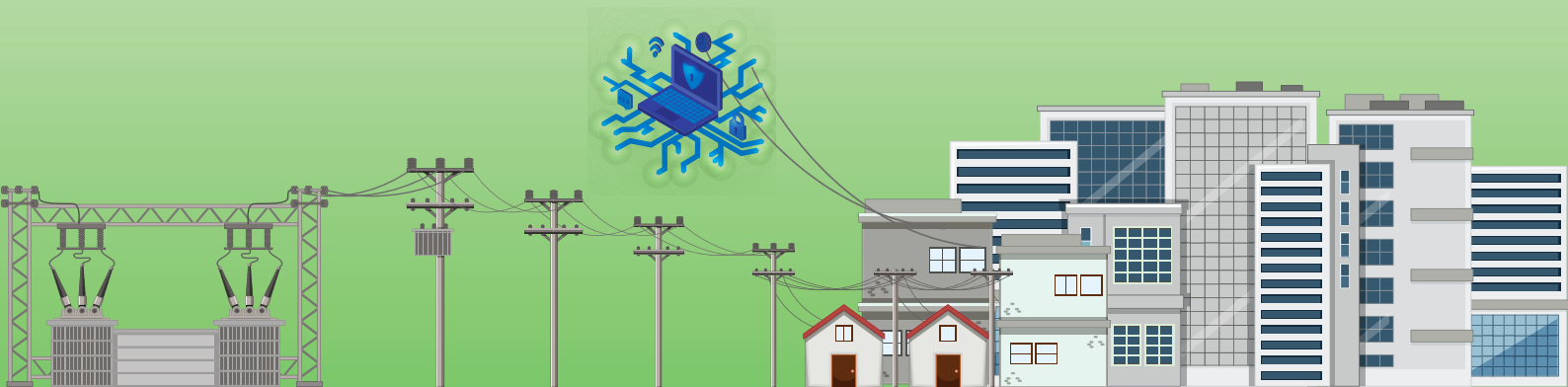
This course can be attended only by registration. Registration fee does not include accommodation. Limited accommodations are available inside IISc campus at 1000 INR+12% GST/night rate.

Who will benefit from the course?

This workshop is intended for students, researchers, faculty from academic and technical institutions, staffs from private and government industries and institutions who are interested in learning about cyber security issues and solutions for power grids. There will be a hands-on session (total 6 hours) focussing on coding aspects.

Venue:

**Department of Electrical Engineering
Indian Institute of Science (IISc) Bangalore**



List of Topics Covered:

Introduction to cyber security of power grids; Introduction to automated substations and their security; Substation cybers ecurity standards and solutions; Substation cyber security standards and solutions; Hardware security of digital devices/IEDs; Intrusion detection systems (IDS) for substations; Intrusion detection and protection schemes in digital substations; Moving target defence for defending against adversarial attacks in power grids; Threat modelling for vulnerability discovery; Cyber security analysis and auditing; Cyber security aspects of synchrophasor devices; Robust recovery of PMU signals from corruption for mode meters; PMU signal selection ensuring guaranteed recovery from corruption for mode meters; Cyber-attack resilient protection schemes; Cyber laws and legal perspectives; Hands-on session on power system cyber security.

Event: There will be a poster session where selected workshop participants can present their works

List of Speakers:

Prof Tarlochan Sidhu, Ontario Tech University, Canada

Prof Manimaran Govindarasu, Iowa State University, USA

Prof Ali Mehrizi-Sani, Virginia Tech, USA

Prof Nilanjan Ray Chaudhuri, PennState University, USA

Prof Subhash Lakshminarayana, University of Warwick, UK

Prof Bhavesh Bhalja, IIT Roorkee

Prof Faruk Kazi, VJTI Mumbai

Prof Utsav Banerjee, IISc

Dr. Mital Kanabar, Industry

Dr. Devika Jay, Industry

Prof Sarasij Das, IISc

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