

GridSec-2025

The second annual symposium, “**GRIDSEC 2025: One Day Symposium on Cyber Security in Operational Technologies**” with a theme of “**Hardware Security**” from POWERGRID Centre of Excellence in Cybersecurity (PGCoE), Indian Institute of Science, Bengaluru, on **23rd May 2025**, at **MMCR**, 1st floor, C-wing, Department of Electrical Engineering, IISc Bangalore. The PGCoE is conducting this symposium in collaboration with the Society for Electronic Transactions and Security (SETS) Chennai Gol, and Data Security Council of India (DSCI) Delhi and Noida.

The objectives of PGCoE are as follows:

- To **enable continuous R&D on the cybersecurity program** matching emerging requirements in the field of Transmission and Grid Operation that would lay a strong foundation for achieving excellence in **cybersecurity of Operational Infrastructure**.
- This facility would **engage in R&D aspects of cybersecurity of power systems**, including security analytics for situation awareness, competency building, and development of defense systems for probable future cyberattacks.
- The CoE is envisioned to act as a **nodal center and think tank** for POWERGRID’s cybersecurity concerns and to bring together experts from academia, research laboratories, and industry under one umbrella.

The broad scope of PGCoE covers **Preparedness** (compliant and audit framework tools, situational awareness tools), **Intervention** (Research, standards-based Design, and Development), **Accountability** (pilot deployment, testing tools deployment, and supply chain security), and **Human resources development** (Training, Capacity building).