

**International Conference on  
Smart Technologies for Energy, Sustainability & Industry (STESI)  
July 22-23, 2026**

**Department of Electrical Engineering, Manipal University Jaipur**

<b>Special Session ID</b>	SS-04
<b>Title</b>	AI-Driven Control, Protection, and Resilience of Smart and Sustainable Power Grids
<b>Tentative Topics</b>	<ul style="list-style-type: none"> <li>1. AI-Driven Stability Assessment and Adaptive Control of Power Grids</li> <li>2. Intelligent Protection and Self-Healing Strategies for Transmission and Distribution Networks</li> <li>3. Optimization-Based Secure and Resilient Grid Operation under Contingencies</li> <li>4. Wide-Area Monitoring, Protection, and Control (WAMPAC) Enabled by AI and WSNs</li> <li>5. Edge Intelligence, Federated Learning, and Low-Latency Control for Smart Grids</li> <li>6. Hybrid and Physics-Informed AI Models for Control and Protection Applications</li> </ul>
<b>Special Session Organisers</b>	
	<b>Dr. Saurav Raj</b> Assistant Professor NIT Raipur Email: sraj.ee@nitrr.ac.in
	<b>Dr. Muhammad Suhail</b> Scientific Researcher Hanshan Normal University, China Email: 20230036@hstc.edu.cn
	<b>Dr. Pragya Guru Sharma</b> Engineer- Regulatory Affairs, (Design and Engineering) Sterling and Wilson Renewable Energy Limited, India Email: pragyaguru.sharma@sterlingwilson.com
	<b>Mr. Shahid Akhtar</b> Assistant Professor SVKM's Institute of Technology, Dhule, India. Email: shahid.akhtar@svkm.ac.in