

**Publications in Proceedings:** (International/National) with ISBN numbers only (between 1<sup>st</sup> July 2020 to 30<sup>th</sup> June 2021)

1. Ankita Ranjan, V. Laxmi, S. Chakraborty (2020). Gain-scheduled Feedback Controller Design for a Nonlinear Continuous Stirred Tank Reactor. ICEFEET-2020, Patna, India. DOI: 10.1109/ICEFEET49149.2020.9187017.
2. Aparna Arunkumar Gautam, Vijaya Laxmi (2020). FPGA Controlled 3 Phase VSI - A Hardware Perspective. 3rd IEEE ICSSIT 2020 Francis Xavier Engineering College, Tirunelveli, Tamil Nadu. DOI: 10.1109/ICSSIT48917.2020.9214152
3. Aparna Arunkumar Gautam, Vijaya Laxmi (2020). Role of Power Electronics in Microgrid Systems”, INDIAN SCIENCE CONGRESS 2020, UAS(University of Agricultural Sciences), Bangalore.
4. A. Ranjan, S. Chakraborty and Vijavalaxmi (2020). Gain-Scheduled Feedback Controller Design for a Nonlinear Continuous Stirred Tank Reactor. International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET) DOI: 10.1109/ICEFEET49149.2020.9187017.
5. P. Ganchaudhuri and S. Chakraborty (2020). SMC tracking control of 2-link robotic manipulator subjected to external disturbances. International Conference for Emerging Technology (INCET), DOI: 10.1109/INCET49848.2020.9154149.
6. S. Kumar and S. Chakraborty (2021). Performance analysis of 2-link Robotic Manipulator with LPF and  $\alpha$ -filter based UDE controller. IEEE Second International Conference on Control, Measurement and Instrumentation (CMI). DOI: 10.1109/CMI50323.2021.9362904.
7. Sonal, Debomita Ghosh (2020). Impact of Distributed Generation on the Reliability Allocation of Distribution System : A mesh-Grid Approach. International conference on Emerging Frontiers in electrical and electronic Technologies. Patna, India, IEEE.
8. Sonal, Debomita Ghosh. Resilience Assessment of Microgrid Using Complex Network Theory (2021). 1st International Conference on Power Electronics and Energy (ICPEE), Bhuwaneshwar, India, IEEE.
9. Sourav kumar Sahu, Debomita Ghosh (2021). Photovoltaic Hosting Capacity Increment in an Unbalanced Active Distribution Network. 1st International Conference on Power Electronics and Energy (ICPEE), Bhuwaneshwar, India, IEEE.
10. Souvik Bera, Deepak Kumar (2021). Decentralized Control Strategy for Voltage Unbalanced Mitigation in Stand -Alone Microgrid. International Conference on Intelligent Technologies (CONIT).
11. S. K. Jha and D. Kumar (2021). Investigating the Demand Side Management Capability of Stand-Alone Microgrid with V-I Droop Approach. 1st International Conference on Power Electronics and Energy (ICPEE). DOI: 10.1109/ICPEE50452.2021.9358760.
12. N. Ali and D. Kumar (2021). Inverter Control Strategy for Voltage Unbalance Mitigation. 1st International Conference on Power Electronics and Energy (ICPEE). DOI: 10.1109/ICPEE50452.2021.9358647.