

NAME

Dr. Darji Pranavkumar B.

QUALIFICATION

PhD : IIT Bombay

M.E : IISc, Bangalore

B.E : Government Engineering College, Modasa

Area of Interest

Power System Analysis, Power System Dynamics, HVDC, FACTS Controllers.

Teaching Experience

- Lecturer in Electrical Engineering Department, SVNIT Surat (NIT, Surat), January-1999 to January-2013.
- Associate Professor in Electrical Engineering Department, SVNIT (NIT, Surat), January-2013 till date.

Short course coordinated

- Testing in Electrical Engineering.
- Advanced Electrical Power Systems.
- Electric Power System.

Publications

- Pranav B. Darji, Anil M. Kulkarni, "Vector Definitions for Control of Single-phase and Unbalanced Three-phase Systems" IEEE Trans on Power Delivery, 2014, Vol. 29, No. 5 pp. 2136-2145.
- Sawata R. Deore, Pranav B. Darji, Anil M. Kulkarni, "Switching function analysis of half- and full-bridge modular multi-level converters for HVDC applications", IET Gener. Transm. Distrib., 2013, Vol. 7, Iss. 11, pp. 1344–1356.
- Udaya Kumar, VishwanthHegde and Pranavkumar B. Darji, "Investigations on voltages and currents in the lightning protection system of the Indian satellite launch pad-I during a stroke interception", IET Sci. Meas. Technol., 2007, 1, (5), pp. 225–231.

- Pranav B. Darji, Anil M. Kulkarni, "Dynamic Performance of a Modular Multi-level Converter based HVDC Terminal under Unbalanced AC Grid Conditions", Presented at 10th IET AC DC Transmission, International conference held at Birmingham.
- Sawata R. Deore, Pranav B. Darji, Anil M. Kulkarni, "Dynamic Phasor Modeling of Modular Multi-level Converters", 7th IEEE International conference on Industrial and Information systems (IICS), 2012, pp. 1-6.
- Das, M. K., A. M. Kulkarni, and P. B. Darji. "Comparison of DQ and Dynamic Phasor based frequency scanning analysis of grid-connected Power Electronic Systems." Power Systems Computation Conference (PSCC), 2016. IEEE, 2016.
- Ashok Parmar and Pranav Darji, "Optimum capacity Allocation and Pricing in Energy and Capacity Market by Particle Swarm Optimizer", 7th International Conference on power system (ICPS-2017).
- Ashok Parmar and Pranav Darji, "Comparative analysis of Optimum Capacity allocation and Pricing in Power market by different optimization algorithm", 7th International Conference on soft computing for problem solving (Socpros-2017).