CONVENER
Dr. V. Kamaraj, Professor & Head, EEE, SSNCE

COORDINATORS
Dr. R. Renganaj
Dr. N. B. Muthu Selvan
Mr. V. Thiyagarajan

IMPORTANT DATES
Last Date for Registration : 28-11-2014
Notification of Selected Participants : 03-12-2014

REGISTRATION
- Registration Fee: Rs. 500/-
- Registration fee includes registration kit, lunch and refreshment on workshop days. Accommodation for participants will be provided with a nominal fee as per the college norms.

Participants are requested to register by filling the registration form and sending the same to the Coordinators.

Registration fee has to be sent by Demand Draft drawn in favour of “The Principal, SSN College of Engineering”, payable at Chennai.

The number of seats is limited and selection is based on first come first serve basis.

ELIGIBILITY
Faculty working in Engineering colleges
Engineers from R&D Organizations / Industries
Research Scholars
PG/UG Engineering Students

ABOUT THE INSTITUTION
Sri Sivasubramaniam Nadar College of Engineering (SSNCE) is the outcome of the vision and initiative of Padma Shri Dr. Shrir Nadar, Chairman, HCL Technologies, a pioneer in the field of Information Technology. The Institution reflects the ideals of its founder and seeks to achieve excellence as an academic institution and advanced research centre. The Institution was established in 1996 on a sprawling campus of 250 acres on the Rajiv Gandhi Road (OMR) known as ‘Cyber Corridor’ of Chennai. The campus comprises aesthetically designed buildings that are networked by fiber optic cables. The Institution offers eight B.E/B.Tech. degree programs in Electrical and Electronics, Electronics and Communication, Computer Science, Information Technology, Chemical, Biomedical, Mechanical and Civil Engineering. The Institution also offers nine M.E degree programs in Communication Systems, Applied Electronics, Computer & Communication, Power Electronics & Drives, Computer Science & Engineering, VLSI, Software Engineering, Energy Engineering, Manufacturing Engineering in addition to MBA and MCA. The ISO 9001:2000 certified Institution has been accredited by National Board of Accreditation and also accredited by NAAC with A Grade. The institution consistently ranks first among all colleges affiliated to Anna University, Chennai. SSN is ranked 24th among all engineering colleges in India and ranked 23rd according to the HR perception-wise ranking, ranked fifth in south zone. The management awards over 400 scholarships worth Rs. 4.3 crores every year to meritorious and deserving students. The college has Wi-Fi connectivity, e-learning enabled class rooms and state-of-the-art laboratories and numerous licensed software’s.

RESEARCH AND INDUSTRIAL COLLABORATION
The department is recognized as a Research Centre of Anna University. The department has 8 recognized supervisors and their broad areas of research include Power Systems, Control & Dynamics, Renewable Energy Systems, Power Electronics & Drives, High Voltage Engineering, Special Electrical Machines and Optimization & Control techniques. The department has numerous publications in refereed journals and in International / National conference proceedings. The department has signed MoU with M/s. Danfoss Industries, M/s. Hibirse Technologies and has taken up research projects funded by AICTE, MNRE and C-WET. The Department has organized two International Conferences, six National Conferences, seven Faculty Development Programmes sponsored by Anna University, three Short-term Training Programmes sponsored by AICTE, ISTE and many Workshops.

ABOUT THE WORKSHOP
With rapid increase in electrical energy demand, renewable energy based distributed power generation is becoming more important. Distributed generation based on wind, solar, biomass, mini-hydro along with use of fuel cells and micro turbines will give significant momentum in near future. A microgrid consists of cluster of loads and distributed generators that operate as a single controllable system. As an integrated energy delivery system, microgrid can operate in parallel with or isolated from the main power grid. Advantages like environmental friendliness, expandability and flexibility have made distributed generation, powered by various renewable and nonconventional micro sources. The main objective of this workshop is to provide research opportunities to the participants in the field of energy management pertaining to microgrid.

COURSE CONTENTS
- Basics of micro grid.
- Integration of various distributed energy resources.
- Demand side management.
- Optimization techniques in energy management.
- Power flow control in micro grids.
- Dynamic demand control.
- Demonstration.