Sri Venkateswara College of Engineering

Pennalur, Sriperumbudur – 602 117

Two Days Workshop on

Grid Connected Rooftop Photovoltaic System Design and Installation

Jointly organized by the

IEEE Student Branch

&

Department of Electrical and Electronics Engineering

We cordially invite you to the

Inauguration and Address

By

Dr.KR.Santha

Vice Principal

&

Head of the Department

Electrical & Electronics Engineering

Venue: Bio Tech Hall **Time: 09:00 AM** **Date: 06/10/2017**

ALL ARE WELCOME

SRI VENKATESWARA COLLEGE OF ENGINEERING

(Autonomous)

AFFILIATED TO ANNA UNIVERSITY

SriperumbudurTk, Tamil Nadu, India- 602117

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

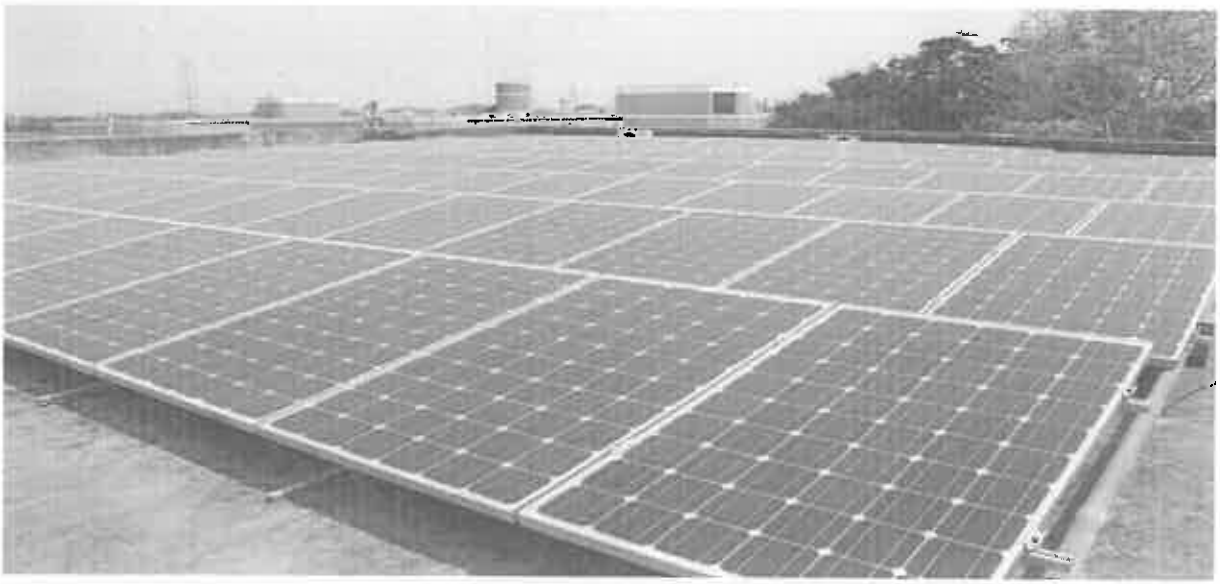
(Accredited by NBA)

Two days Workshop

On

GRID CONNECTED ROOFTOP PHOTOVOLTAIC SYSTEM DESIGN AND INSTALLATION

6/10/2017 & 7/10/2017



About the Course

The course will benefit those who want to work in solar PV system, particularly students, technician, trainers and engineers (or any PV system practitioner) who are working on solar PV system for design, installation and maintenance of solar PV systems of all types. The workshop

will be an excellent opportunity to learn several aspects of Solar PV technology and gets hands on experience in designing and installation of solar PV system.

Training Content Outline and Training Methodoiogy

Topics	Training Methodology
DAY-1	
Basic Terminologies in Electricity	Theory, Exercise
✓ Concepts of Solar cell, Types and Interconnection of solar cells in SPV module. ✓ Measurement of SPV Electrical Parameters ✓ Standard Test Condition	Theory, Demonstration
Solar Radiation- ✓ Terminologies ✓ Measurement of Radiation Parameters ✓ Panel mounting angle ➢ Solar System Configurations and Connections	Theory, Exercise & Demonstration
Design Task- Complete Hands on ✓ Site assessments & planning ✓ Load and Energy demand assessment ✓ Selecting solar panels to meet the load demand	
DAY-2	
Matching array & inverter for on-grid system	Theory, Exercise
System protection and safety equipment sizing	Theory, Exercise
Cable sizing	Theory, Exercise
✧ Site Visit to 15KWp grid connected Roof top system	
✧ Demonstration of 1Kw on-grid system installation	
✧ Final Assessment - DESIGN TASK	

Training Materials:

- Copies of design tasks, excel based design, sample bill of materials etc.
- Demonstration of 1 x 1kW grid connected PV system for installation and commission practice
- Access to equipment, accessories and tools for demonstration and practical

Eligibility	**Organizing Committee**
The workshop is open for UG / PG Students, Faculty Members and Ph.D. Research scholars of any discipline.	**Convenor** Dr.KR. SANTHA, Ph.D, Vice Principal and Head
Registration Fee IEEE Members : **Rs. 500**, IEEE Non -Members : **Rs. 750**. Students / Faculty Members / Ph.D. Scholars : **Rs. 750.**	**Coordinators** Mr. S.V.Sreeraj, Asst. Professor Mr.D.S.Purushothaman, Asst. Professor
Last Date of registration: **28th September 2017**	Department of EEE, Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur.

D S Purushothaman,
AP/EE
Co Ordinator

Head of the Department
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