INTEGRATED CAMPUS

# NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

Approved by AICTE, New Delhi. Affiliated to JNTU - Hyderabad. CAMPUS: Chowdariguda (V), Korremula X Road, Ghatkesar (M), Ranga Reddy Dist - 500 088 Ph: +91- 8415-255777 Fax: 08415 - 255666 Email: admin@nnres.org

## REPORT ON WORKSHOP

## Title: SOLAR POWER SYSTEM DESIGN & ANALYSIS USING PVSYST SOFTWARE

Nalla Narasimha Reddy Educational Society's Group of Institutions School of Engineering Department of Electrical & Electronics Engineering had organized A Two day technical Workshop on **"Solar Power System Design & Analysis Using PVSYST Software"** on **6th & 7th March-2018** this workshop is organized in association with **Smart Bridge Technologies Pvt Ltd, Hyderabad.**

The Resource person arrived at 09.30 am and he was welcomed by Dr. P. Ramesh, HoD Department of EEE.

Inaugural function of workshop was started at 9:50 am in the presence of Chief guest Director Dr. C. V Krishna Reddy garu, Dean-SOE Dr. G. Janardhana Raju, HOD-EEE Dr. P. Ramesh, HOD-CE Mr Subba Rao, Resource person Mr Prateek Gupta, faculty members of EEE department and student participants.

The Resource person was formally felicitated by Dr. P. Ramesh, HoD & Professor, Department of EEE with a floral Bouquet. All the dignitaries were welcomed on to the dias by Mr D. Ramesh Babu, Assistant Professor –EEE Dept. and he gave an introductory speech about resource person. Dr. P. Ramesh, HoD-EEE gave a speech about workshop importance and advised all the participants to use it effectively. Chief guest Director Dr. C. V Krishna Reddy gave a speech and motivated students to learn better and emphasized the NNRG management efforts for student's academic welfare.

45 students from III years of EEE department attended the workshop.

Resource person started the session with the fundamental concepts of PV cell to manual plant sizing and estimation as follows-

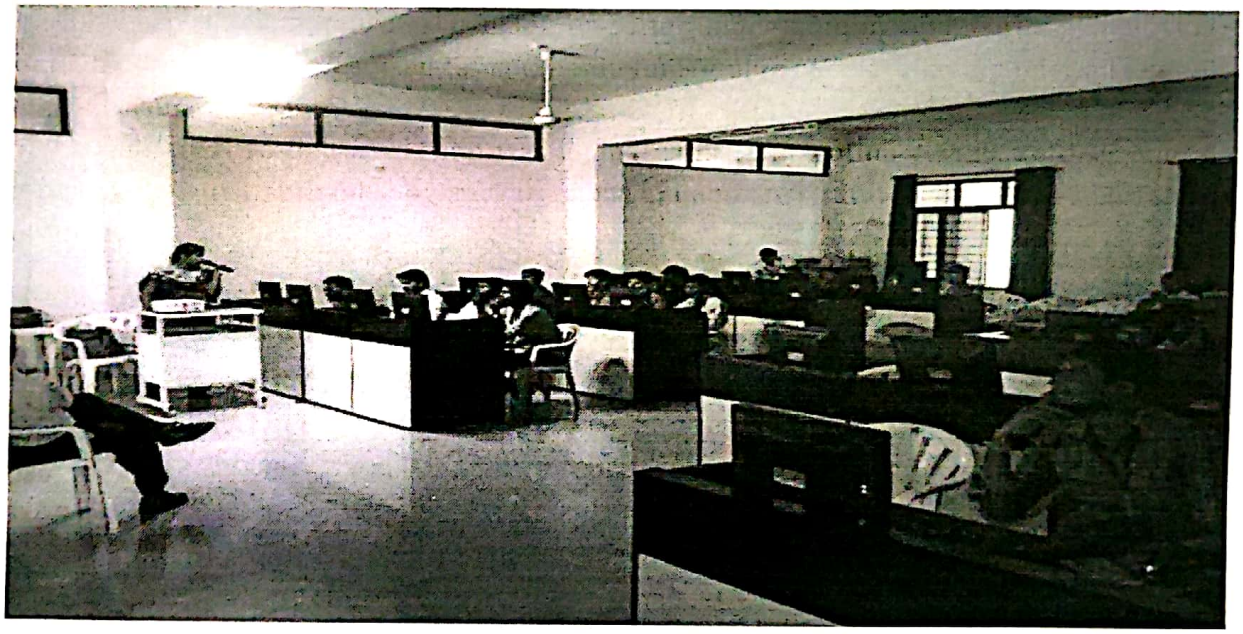
1. PV Cell: Fundamentals and Design Techniques: Cell Design, Type, Color, Comparison and applications
2. Modeling of PV Cell: Equivalent circuit, mathematical modeling, characteristics & general design of PV System: design of standlone PV system by considering as aspects (Eg. Battery, charge controller, panels, inverters)

**Day 2 (07.03.2018)**

Next day session with simulation, modeling, sizing and design analysis of solar Gird. As it is essential to develop PV technology in an optimal and reliable way, pursuing this object, the PVSYST software allows its users to accurately analyze different configurations and to evaluate the results and identify the best possible solution. It was followed by a visit at 120kw capacities in house solar plant for better understanding and learning of all vital equipment and accessories used for successful functioning of solar plants under all kind of safety measures.

Thus the two day workshop was ended with participation certificate distribution followed by vote of thanks by Mr. D Ramesh Babu, Assistant Professor – workshop coordinator

**PHOTOS:**



HOD -EEE
*Head of the Department*
Electrical & Electronics Engineering
Nalla Narsimha Reddy Education Society's
Group of Institution