



VAAGDEVI COLLEGE OF ENGINEERING
Affiliated to JNTUHyderabad
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Day National Level Workshop on Solar PV System Design for Roof Top Applications

Electrical & Electronics Engineering Department has organized a two Day Workshop on “**Solar PV System Design for Roof Top Applications**” dated 21-03-2014 to 22-03-2014 by Mr. N Mahender and P Purnachander Rao for faculty members of the College and other AICTE approved Colleges. Col. Ajay Reddy, speech on necessity of solar PV. No of Participants Faculty Participants: 33

The programme is started with welcome note by the Principal Dr. K. Prakash followed by the lecture session.

24th March, 2014

To
The Principal,
Vaagdevi College of Engineering,
Bollikunta, Warangal - 506005.

Sub: submission of report on Two day workshop with financial details-reg.

Respected sir,

We coordinators of Two day national level workshop on “Solar PV System Design for Residential Roof-Top Applications” was conducted on 21st & 22nd March, 2014 in association with Steinbeis Center for Technology Transfer India, Germany Under VESA.

This event was conducted with grand success and published in many news papers. In this connection we are very thankful to you for giving this opportunity to conduct such a great workshop.

Thank you,

Note: financial report enclosed with bills.

Coordinators:

Mr.N.Mahender, Assoc.Prof.EEED

M.N.M.
24/03/14

Mr.P.Purnachander Rao, Assoc.Prof.EEED

P.P.R.
24/03/14

K. Prakash
24/03/14
Head of the Department

AGENDA

1. Gathering is Welcome by Mr. Arun Kumar, IV-Year, EEE
2. Jyothi prajwalana
3. Invocation
4. Report by Sri.P.Sadanandam, Head EEE, Convenor
5. Address by Prof. K.Prakash, Principal of VCE
6. Address by Sri.C.Satyapal Reddy, Chief Administrative Officer, Vaagdevi Group of Technical Institutions
7. Introduction of Guest of honor by Mr.T.Venugopal,Assoc.Prof.,EEE
8. Address by Guest of honor Col.Ajay Reddy, Vice President Operations, Premier Solar Systems Pvt., Ltd., Hyderabad.
9. Introduction of Chief Guest by Mr.N.Mahender, Assoc. prof. Coordinator
- 10.Address by Chief Guest Dr.N.Subrahmanyam, Head EEE of NITW
- 11.Felicitation to Chief Guest Dr.N.Subrahmanyam, Head EEE of NITW
- 12.Vote of thanks by Ms.Bindu, III-Year, EEE



VAAAGDEVI COLLEGE OF ENGINEERING
(Accredited by NBA, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Bollikunta, Warangal-506005



Department of Electrical & Electronics Engineering

Invites you to the

INAUGURAL FUNCTION
Of

A Two Day National Level Workshop on

"SOLAR PV SYSTEM DESIGN FOR RESIDENTIAL ROOF-TOP APPLICATIONS"

on 21st March, 2014 at 10:00 am.

Dr. N. Subrahmanyam
Professor & Head, NIT, Warangal
has kindly consented to be the
Chief Guest

Prof. K. Kishan Rao
Director, Vaagdevi Group of Technical Institutions

Sri. Ch. Devender Reddy
Secretary & Correspondent

Prof. K. Prakash
Principal, Vaagdevi College of Engineering

Sri. C. Satyapal Reddy
Chief Administrative Officer

Will grace the occasion

Coordinators
Mr. N. Maheader
Assoc. Prof.
Mr. P. Purnachander Rao
Assoc. Prof.

Convener
Sri. P. Sadanandam
DC Head

Venue: Auditorium, VCE



Vaagdevi College of Engineering

(Accredited by NBA, Approved by AICTE, New Delhi & Affiliated to JNTUH, HYD)
BOLLIKUNTA, WARANGAL - 506006, A.P.



Steinbeis Centre for
Technology Transfer India

Department of Electrical & Electronics Engineering presents...

A Two Day National Level Workshop

on

“Solar PV System Design for Residential Roof-top Applications”

On March 21st & 22nd, 2014

Course Contents

- ❖ Calculation of Energy needs of a House / Building / Apartment
- ❖ Solar Energy
- ❖ Solar photovoltaics
- ❖ Solar PV Demonstration
- ❖ Design & Installation Off-Grid Roof-top SPV plant
- ❖ Hands-on Workshop on Off-Grid plant design
- ❖ GMC / Steinbeis Self Assessment exam.

Chairman

Mr. P. Sadanandam
HOD, EEE Dept.
VCE, Warangal
9948111793

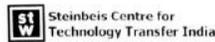
Faculty (Coordinator)

Mr. N. Mahender, Assoc. Prof.
944010953

Mr. Poornachander Rao, Asstt. Prof.
984910687

Registration Fee :
1000/- Per Participant

Venue : AUDITORIUM
VCE, Warangal.



**Two Days Workshop on Solar PV System Design
For Residential Roof-top Applications
21-22 Mar'14, at Vaagdevi College of Engineering, Warangal**

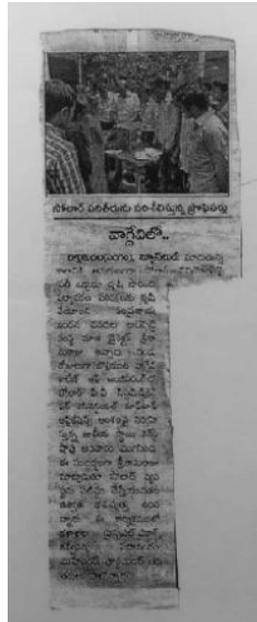
Program Schedule

DAY 1: 21st March, Friday	
0930 – 1000 Hrs	Inaugural Session and Faculty Introduction
	Address by Mr. Sadanandam-HOD Vaagdevi College of Engineering, Warangal
1000 – 1115 Hrs	Technical Session - I : Basic Electrical and Electronics
	<ul style="list-style-type: none"> • Power consumption of general domestic appliances, • reactive power- adverse effects and compensation, • DC & AC wire sizing with Losses and • Cable/wire termination.
	Faculty : Col. Ajay Reddy, Vice President Operations, Premier Solar Systems Pvt Ltd, Hyderabad
1115 – 1130 Hrs	Tea Break
1130 – 1200 Hrs	Small Exercise on calculation of Energy needs of a House/Building/Apartment
	Faculty : Col. Ajay Reddy
1200 – 1300 Hrs	Technical Session – II : Solar Energy
	<ul style="list-style-type: none"> • Solar Energy conversion, • Why solar panels produce DC power only? • Solar energy availability in India & AP, National Solar Mission • Installed SPV Plant Capacities in India and AP.
	Faculty : Col. Ajay Reddy
1300 – 1400 Hrs	Lunch Break
1400 – 1615 Hrs	Technical Session III – Solar Photovoltaic's
	<ul style="list-style-type: none"> • Cell Technologies, • Difference between Module & Panel, • Video session on Cell to Module Making • Bypass and blocking diodes • V&I Characteristics of module, Mounting structures, Solar Inverter and PCU, Batteries, Array/String combiner box, other protection equipment
	Faculty : Col. Ajay Reddy



1615 - 1630 Hrs	Tea Break
1630 - 1730 Hrs	Solar PV Demonstration Lab
<i>Session close</i>	
DAY 2 : 22nd March, Saturday	
1000 - 1130 Hrs	Technical Session - IV : Design, installation and safety precautions of Off-Grid Rooftop SPV Plant
	Faculty : Col. Ajay Reddy
1130-1145 Hrs	Tea Break
1145 - 1230 Hrs	Technical Session - IV (contd.,)
	Faculty : Col. Ajay Reddy
1230 - 1400 Hrs	Lunch Break
1400 - 1530 Hrs	Technical Session - V: Government Policies and other Solar Energy Technologies
	Faculty : Mr. Sri Rama Raju Managing Director, M/s Surya Renewable Energy Entrepreneur Pvt Ltd
1530 - 1545 Hrs	Tea Break
1545 - 1700 Hrs	Hands-on workshop on Off-Grid Plant Design
	Faculty : Col. Ajay Reddy
1700 - 1800 Hrs	Examination






 Head of the Department
 Head of the Department
 ELECTRICAL & ELECTRONICS ENGINEERING
 Vaagdevi College of Engineering,
 Bollikunta, Warangal (U) T.S. 506005