

Workshop with hands on Training on “Solar PV Technology”

2018-2019			
Date	Topic	Details of Resource Person	No. of Beneficiaries
30.01.2019 to 01.02.2019	Workshop with hands on Training on “Solar PV Technology”	Dr. Venkat Subramaniam Associate Professor Department of Electronics PSG College of Arts and Science Coimbatore Er.Nambidass & Er.T.Mohanasundaram Trainers MAS Solar System Coimbatore	50 students from B.Sc Physics, Sri G.V.G Visalakshi College

Day 2:

- 10.00 am to 11.30 am : Types of solar System: Off Grid Solar Power plant System, On Grid Solar Power Plant System, Hybrid Solar Power plant system.
- 11.30 am to 11.45 am : Tea Break
- 11.45 am to 1.00 pm : Off Grid Solar Power plant Designing. - Load Calculation, Inverter Capacity, Battery Bank capacity, PCU Capacity, Solar Thermal Technology
- 1.00 pm to 1.30 pm : Lunch Break
- 1.30 pm to 4.30 pm : Hands on Training – Solar off grid power plant

Day 3 : Industrial Visit to MAS Solar Systems, Coimbatore.

Address for communication

Mrs.B.Nirmala
Associate Professor of Physics
Sri G.V.G Visalakshi College for Women
Udumalpet - 642 128,
Contact No: 9865043379, E mail id: svphv07@gmail.com.

Organizing committee

Mrs. T.V. Banumathi, Associate Professor and Head
Mrs. B. Nirmala, Associate Professor
Mrs. S. Aram, Associate Professor
Dr. B. Kavitha, Assistant Professor
Dr. M. Nirmala, Assistant Professor
Mrs. N. Javalakshmi, Assistant Professor
Ms. J. Sree Sudha, Assistant Professor
Ms. E. Anusuya Devi, Assistant Professor
Mrs. V.S. Vaanathi, Assistant Professor
Mrs. S. Deepika, Assistant Professor

**Workshop with Hands-on-Training**

OR

Solar PV Technology

(Funded under DBT-Star College Scheme)

30th January - 1st February 2019**Workshop with Hands-on-Training**

OR

Solar PV Technology

(Funded under DBT-Star College Scheme)

30th January - 1st February 2019

Organized by

Department of Physics

Sri G.V.G Visalakshi College for Women

Udumalpet – 642 128

Tamilnadu

&

MAS Solar Systems Private Ltd.,

Coimbatore

College

Sri G.V.G. Visalakshi College for Women is a prestigious Autonomous Institution founded in the year 1952 by the renowned Philanthropist Sri G.V.Govindasamy Naidu, an industrialist from this part of the district. As one of the Women's College affiliated to Bharathiar University with 66 years of Academic Excellence in the Empowerment of Women, the college is funded by the Department of Science and Technology under the DST-FIST (level-0) funding and has also been identified to participate in DBT-Star College scheme for enhancing the activities of the Science Departments. The Institution is an ISO 9001:2008 Certified, with the NAAC Re-Accreditation at the 'A' Grade level. The college is continuously striving to establish the Quality Policy, "to Educate, Empower and Elevate" by implementing the concept of Outcome Based Education (OBE) from the academic year 2017-18 onwards.

Department

The Department of Physics was established as a Major Department in the year 1986 at the B.Sc Degree level and the Department has been upgraded as a PG department from the academic year 2013-'14. Every year the department conducts National Graduate Physics Examination (NGPE) and National Anveshika Experimental Skill Test for School and College students at the at the All-India level by the Indian Association of Physics Teachers (IAPT). Students also attend summer courses in the Experimental Physics hosted by Institutions such as Indian Academy of Sciences, Bangalore, Homi Bhabha Centre for Science Education and Research, Mumbai etc. Post graduate students undergo Summer Internship program at the Centre of Nanoscience and Nanotechnology, Bharathiar University, Coimbatore, IGCAR, Kalpakam, ARCI-Chennai, Tamilnadu Academy of Sciences, Gandhigram, Rural Institute etc. The Department from time to time organizes Seminars, Workshops, Conferences and Intercollegiate competitions to motivate the students to update the subject knowledge and take up the research activities in the recent areas.

Programme Schedule

Registration	: 8.30 – 9.30 AM
Inaugural Function	: 9.30 AM
Lighting of Kuthuvilakku	: Mr. G. Raveendaran Managing Trustee & Secretary
Prayer	
Welcome Address	: Mrs.N. Javalakshmi Assistant Professor of Physics
Special Address	: Dr Venkat Subramaniam, Associate Professor of Electronics PSG College of Arts and Science, Coimbatore.
Vote of Thanks	: Ms. J.Sree Sudha Assistant Professor of Physics

TECHNICAL SESSIONS & HANDS-ON-TRAINING**Day 1:**

9.30 am to 10.30 am	: Inauguration
10.30 am to 11.30 am	: Basics of Energy –Renewable Energy- Solar Energy- Technology-Types of Solar Technology
11.30 am to 11.45 am	: Tea Break
11.45 am to 1.00 pm	: Refreshment of Basic Electricals - Voltage, Current, Power, Energy, Connections - Refreshments - Basic Electronics - Resistor, Capacitors, Diodes
1.00 pm to 1.30 pm	: Lunch Break
1.45 pm to 3.00 pm	: Solar PV Technology - Cross section of solar cell, Solar cell operations, Solar cell specifications, Solar cell Testing Conditions, Cell Manufacturing process, Types of Solar cells.
3.00 pm to 3.15 pm	: Tea Break
3.15 pm to 4.30 pm	: Balance of System components



**Workshop with hands on Training on “Solar PV Technology”
Dr. Venkatsubramaniam, 30.01.2019**



**Workshop with hands on Training on “Solar PV Technology”
MAS Solar Systems, on 31.01.2019**