

Workshop			
Date	Details of Resource Person	Topic	No. of Beneficiaries
6.02.2018 to 08.02.2018	Dr.M.Sivaraman Professor & Head Gandhigram Rural Institute Gandhigram.  Er.Mr. Nambidass & Er.Mr.Sivakumar Trainers MAS Solar System Coimbatore	Workshop with hands on Training on “Solar PV Technology”	50 students (From GVG Visalakshi College & from other Colleges)

**Day 2:**  
09.30 am to 11.00 am : Types of solar System: Off Grid Solar Power plant System, On Grid Solar Power Plant System, Hybrid Solar Power plant system.

11.15 am to 12.30 pm : Off Grid Solar Power plant Designing, Load Calculation, Installed Capacity, Battery Bank capacity, PCU Capacity

1.00 pm to 4.00 pm : Hands on Training – Solar off grid power plant

4.00 pm - 4.30 pm : Valedictory function

**Day 3:** : Industrial Visit to MAS Solar Systems,Cbe

Registration form may be downloaded from the website: [www.gvgc.ac.in](http://www.gvgc.ac.in)

**Address for communication**  
**Mrs.T.V.Banumathi**  
Convener - Head, Department of Physics  
Sri GVG Visalakshi College for Women, Udumalpet - 642 128.  
Contact No 94860 38898, E mail id: [gvgphy07@gmail.com](mailto:gvgphy07@gmail.com)

**Organizing Committee**


**Chief Patron** : Mr.G.Raveendaran  
Managing Trustee and Secretary

**Chairman** : Dr.K.Punithavalli  
Principal

**Convener** : Mrs. T.V.Banumathi  
Head, Department of Physics


**Members**

Mrs. B.Nirmala, Associate Professor	Mrs. S.Aram, Associate Professor
Dr. B.Kavitha, Assistant Professor	Dr. M.Nirmala, Assistant Professor
Mrs. N.Jayalakshmi, Assistant Professor	Ms. J.Sree Sudha, Assistant Professor
Ms. A.Priya, Assistant Professor	Ms.E.Anusya Devi, Assistant Professor
Ms.V.S.Vanathi, Assistant Professor	




**WORKSHOP WITH HANDS ON TRAINING**

Organized by  
**Department of Physics**  
**Sri G.V.G Visalakshi College for Women**  
Udumalpet - 642 128.  
Tamilnadu



On  
**SOLAR PV TECHNOLOGY**

Funded under DBT - Star College Scheme  
6<sup>th</sup> - 8<sup>th</sup> February 2018

In collaboration with  
 **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 Under Graduate students take-up National Graduate Physics Examination (NGPE) conducted at the All-India level by the Indian Association of Physics Teachers (IAPT) in the month of January. 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-Kalpakkam, ARCI-Chennai, Tamilnadu Academy of Sciences, Gandhigram Rural Institute etc. The Department 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	: 9.00 – 9.30 AM
Inaugural Function	: 9.30 AM
Lighting of Kuthuvilakku	: Mr. G. Raveendaran Managing Trustee & Secretary
Prayer	
Welcome Address	: Mrs.T.V.Banumathi Convener and Head Department of Physics
Presidential Address	: Dr.K.Punithavalli Principal
Inaugural & Keynote Address	: Dr. M. Sivaraman Professor and Head, Department of Physics Gandhigram Rural Institute Gandhigram, Dindigul
Vote of Thanks	: Dr. B.Kavitha Assistant Professor of Physics

### TECHNICAL SESSIONS & HANDS-ON-TRAINING

#### Day 1:

11.15 am to 12.15 pm	: Basics of Energy- Renewable Energy - Solar Energy Technology - Types of solar technology
12.15 pm to 1.15 pm	: Basic Electricals - Voltage, Current, Power, Energy, Connections Basic Electronics - Resistor, Capacitors, Diodes
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.
3.15 pm to 4.30 pm	: Balance of System components



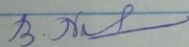


Workshop with hands on Training on “Solar PV Technology”

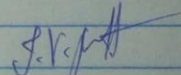
07. 02. 2018

Workshop with Hand on Training on Solar PV Technology was organised by the Department between 6<sup>th</sup> and 7<sup>th</sup> February 2018. Dr. N. Sivaraman Head & Professor, Department of Physics from Gandhigram Rural Institute, inaugurated the workshop and delivered a Inaugural and keynote Address. Mr. Nambidass & Mr. Sivakumar from MAS Solar Systems delivered Special lectures on the topics related to solar PV Technology solar cells, design of grid power plant system.

Number of beneficiaries of the workshop are 50. 40 students from UG physics of our college and 10 students from nearby colleges.



Department Co-ordinator



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