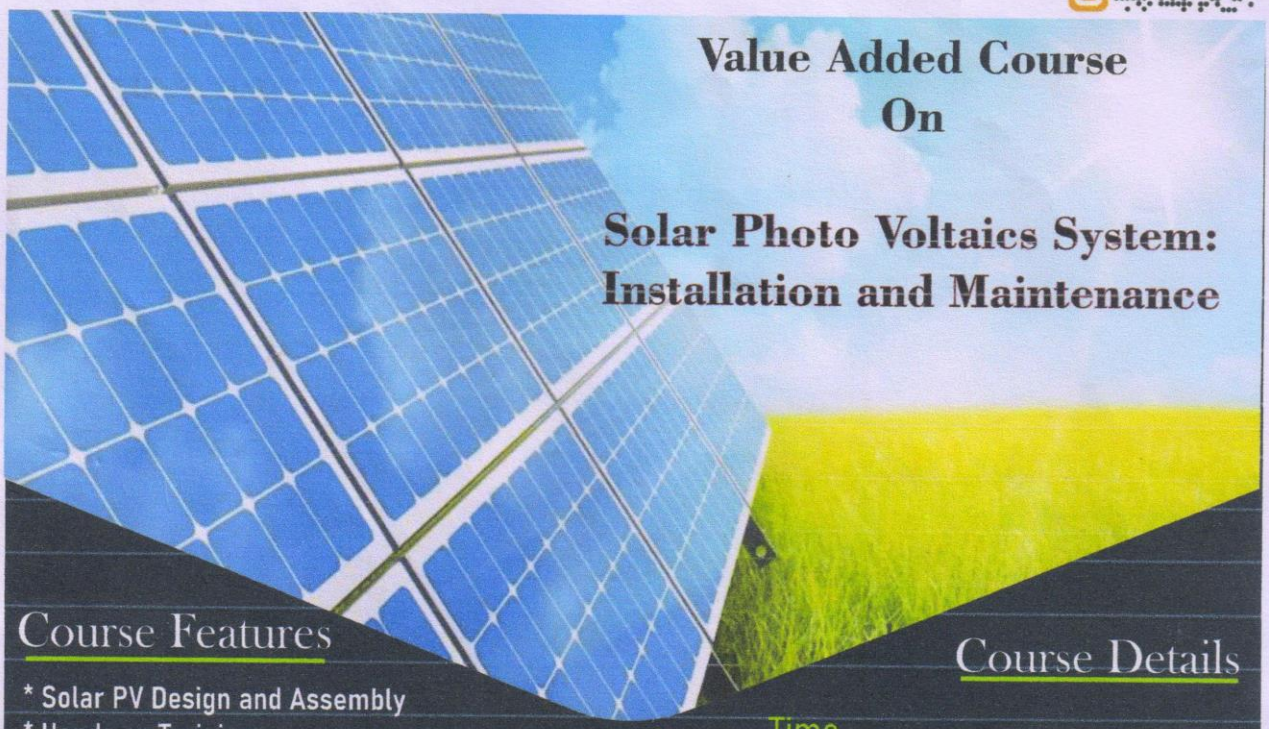
DEPARTMENT OF PHYSICS

St. JOSEPH'S COLLEGE (Autonomous)

Tiruchirappalli 620 002



Value Added Course On

Solar Photo Voltaics System: Installation and Maintenance

Course Features

* Solar PV Design and Assembly
* Hands on Training
* Industrial Exposure
* Solar Roofing
* Maintenance
* Troubleshooting
* Exposure to PLC Wiring
* Green economy
* Scope to Future Energies

Course Fee

DURATION 30 HRS

Rs. 400/-

Course Details

Time

11.00 am to 01.00 pm (Shift - II)

02.30 pm to 04.30 pm (Shift - I)

Course Duration :

30 hours (starts on Jan 4th Week)

Theory : 10 Hours Practical : 14 Hours

Field Visit : 6 Hours

Head

Dr. N. Ravi

Course Coordinators:

SHIFT - I	SHIFT - II
* Dr. S. Anbarasu	• Dr. A. Sinthiya
* Dr. G. Samuel	• Dr. A. Alexandar

FOR DETAILS CONTACT:
DR. S. ANBARASU PH.D.,
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DEPARTMENT OF PHYSICS
St. JOSEPH'S COLLEGE(Autonomous)
TIRUCHIRAPALLI – 620002

Nationally Accredited at A++ Grade (4th cycle) by NAAC & College with Potential for Excellence by UGC
DBT – STAR & DST – FIST Sponsored College
Phone: 0431 – 4226438, 2700320, Fax: 0431 – 2701501 Website: www.sjctni.edu

VALUE ADDED COURSE

SOLAR PV INSTALLATION AND MAINTENANCE

INAUGURAL SCHEDULE

- Date : 24.02.2023
- Time : 12:15 pm
- Venue: Smart Classroom, Department of Physics.

Inaugural Agenda

- Prayer Song
- Welcome Address
  - **Dr. A. Sinthiya**, Assistant Professor, Department of Physics
- Presidential address
  - **Dr. N. Ravi**, Head, Department of Physics
- Felicitation
  - **Dr. A.N. Paul Angelo,** Dean, School of Physical Sciences, SJC.
- Dynamics of the course
  - **Dr. S. Anbarasu**, Assistant Professor, Department of Physics
- Vote of Thanks:
  - **Dr. A. Alexander,** Assistant Professor, Department of Physics

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"Solar power is the last energy resource that isn't owned yet - nobody taxes the sun yet."
- Bonnie Rait

REPORT on Value Added Course
Solar PV systems: Installation and Maintenance

The Department of Physics offered a value-added course on solar PV systems installation and maintenance from 24 .02.2023 after having given the notice two weeks ahead to the students. Inauguration for this course conducted n 24-02-2023 . The Dean of school of Physical science Dr.A.N.Paul Angelo felicitated the inaugural function. Beneficiaries of the program is about 30 students of both shifts I &II attended the course during outside class hours. The basic knowledge about solar cells was highlighted to all the students during this course and practical knowledge starting from power production to the Troubleshooting the entire based on the problems faced during or before or after were explained with hands-on experience.

A field visit was arranged to Bharathidasan University, Trichy on 21.04.2023 for the students of this course. During the field visit, the joint engineer of BDU Mr Pandarinathan accompanied and explained the various devices involved and the maintenance in a detailed manner regarding the 500 kW solar powerplant. He also stated that the current On-grid PV system that was installed can deliver Solar Power for around 20-25years depending on the maintenance of the entire setup. The added advantage of the constructed power plant is that the university can sustain clean and renewable energy on its own for more than 20years in the future he said.

This entire Value-Added Course on Solar PV systems: Installation and Maintenance was a grand success for the department on reaching of around 35-40hours with efficient output.

COURSE COORDINATOR
Dr. S. Anbarasu

HoD

St. Joseph's College (Autonomous)
Department of Physics,
Tiruchirappalli-620 002, Tamilnadu, India.

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO:

THIS IS TO CERTIFY THAT THE ABOVE MENTIONED CANDIDATE HAS SUCCESSFULLY COMPLETED THE VALUE ADDED COURSE ON:

"SOLAR PHOTOVOLTAICS PANEL: INSTALLATION & MAINTENANCE"

HEAD
DEPT. OF PHYSICS

PRINCIPAL

VAC-Field Visit
Date: 21.04.2023
Place: Bharathidasan University, Tiruchirappalli

VALUE ADDED COURSE - 2023

SOLAR PV SYSTEMS : INSTALLATION AND MAINTENANCE

S.No.	Reg. No. of the Student	9 hours induction Class 24.02.'23	class 27.02.'23	class 28.02.'23	class 29.02.'23	class 01.03.'23	class 07.03.'23	class 10.03.'23	class 13.03.'23	class 14
1.	20UPH136	X	X	X	X	A	X	X	X	
2.	20UPH111	X	X	X	A	X	A	X	X	
3.	20UPH112	X	X	X	X	X	X	X	X	
4.	21BPH113	X	X	X	X	A	X	X	X	
5.	22UPH108	X	X	X	X	X	A	X	X	
6	22UPH110	X	X	X	X	X	X	A	X	
7.	22UPH123	X	X	X	X	X	X	X	X	
8.	22UPH203	X	X	X	X	X	X	X	X	
9.	22UPH205	X	X	X	X	X	A	X	X	
10.	22UPH207	X	X	X	X	X	X	X	X	
11.	22UPH208	X	X	X	X	A	A	X	X	
12.	22UPH213	X	X	A	X	X	X	X	X	
13.	22UPH224	X	A	X	X	X	X	X	X	
14.	22UPH230	X	X	X	X	A	X	X	X	

Total Theory classes conducted : 24 hrs.

- Field visit : 07 hrs

Tot. hours conducted 31 hrs

Faculty

STUDENTS ATTENDANCE SHEET

class 03.'23	class 15.03.'23	class 16.03.'23	class 17.03.'23	Field visit 21.03.'23
X	A	X	X	X
X	X	X	X	X
X	X	A	X	X
X	X	X	A	X
X	X	X	X	X
X	X	X	A	X
X	X	X	X	X
X	X	X	A	X
X	X	X	A	X
X	X	X	X	X
X	X	X	X	X
X	X	A	X	X
X	X	A	X	X
X	X	A	X	X

VALUE ADDED COURSE - 2023

SOLAR PV SYSTEMS : INSTALLATION AND MAINTENANCE

Student Attendance Sheet

S.NO	D.NO of the Student	class① 24.2.23	class② 27.2.23	class③ 28.2.23	class④ 29.2.23	class⑤ 01.3.23	class⑥ 07.3.23	class⑦ 10.3.23	class⑧ 13.3.23	⑨ =.23	class⑩ 15.3.23	class⑪ 16.3.23	class⑫ 17.3.23	Field Visit 21.4.23
1.	20UPH613	x	x	x	x	x	x	a	x	x	a	x	x	x
2.	22UPH510	x	x	x	x	x	x	x	x	x	x	x	x	x
3.	22UPH511	x	x	x	x	x	x	x	a	x	a	x	x	x
4.	22UPH520	x	x	x	x	x	x	x	x	x	x	x	x	x
5.	22UPH526	x	x	x	x	x	x	x	x	x	x	x	x	x
6.	22UPH528	x	x	x	x	x	x	x	x	x	x	x	x	x
7.	22UPH530	x	x	x	x	x	x	x	x	a	x	a	x	x
8.	22UPH534	x	x	x	x	x	x	x	x	x	x	x	x	x

Total Theory Classes Conducted : 24 hr ✓

Field visit : 07 hr ✓

Total hours conducted : 31 hr ✓

24/04/2023