



DEPARTMENT OF PHYSICS

CERTIFICATE COURSE (2018-19)

ON

SOLAR ENERGY APPLIANCES AND THEIR MAINTENANCE



Inauguration of Certificate course in “Solar Energy appliances and their Maintenance” is conducted to the III MPC, MPCS Students on 4/12/2018. Total of 41 Students enrolled in the Certificate course.

Course Duration: 45 Days

Learning Outcomes:

The Certificate course covers Basics of Solar radiation, Spectral distribution of Solar radiation ,Solar collectors Classification of Solar appliances, Solar panel maintenance at a glance,4 four type of maintenance process required in the solar PV system, solar appliances operation and maintenance, preventive maintenance in Solar PV System, Life cycle of Solar panels, Solar batteries,

Electrical inspection of solar array are operating, Interior inspection of all devices, boxes, inverters, switches, Battery maintenance and/or detailed inspection, Infrared inspection of electrical connections looking for loose connections and hot spots, Maintenance of Solar cooker, Solar street lights, Solar battery charger, Solar distillation, Solar hot water systems, Solar dryers.....

Job Opportunities:

Graduates of this course can explore various career paths, including:

Entrepreneurship: Start their own solar-related businesses.

Design Electrical Engineer (Solar): Work on solar system designs.

Area Sales Manager (Solar Thermal & PV Products): Handle sales and marketing.

Service-in-Charge: Manage maintenance and service operations.

Why Solar?

The solar energy industry is booming globally, with significant growth in recent years. Solar power installation and maintenance offer promising job prospects. Some notable companies in this field include Tata Power Solar, Green Sense Energy System, Waree Solar, and Vikram Solar. And locally we have Solar power systems company which is producing solar photovoltaic for domestic purposes. Department of physics in ASD college has an memorandum of understanding with this company which is enlightening the students regarding the photo voltaic solar power generation.

Remember, this course provides both theoretical knowledge and practical skills, making it an excellent choice for those interested in renewable energy careers.



Table 1: List of Students for certificate course on solar appliances and their maintenance

Sno	Regd no.	Name Of Student	Marks obtained/Status(Max marks 50).
1.	1631001	C. Varalakshmi	36/Pass certificate issued
2.	1631002	A. Swathi	37/Pass certificate issued
3.	1631004	Chepala Shivani	42/Pass certificate issued
4.	1631005	Dharapur Durga Pravallika	44/Pass certificate issued
5.	1631006	Gandham Mounika Latha	40/Pass certificate issued
6.	1631007	Ganta Sri Satya	41/Pass certificate issued
7.	1631008	Jekhane Navya	40/Pass certificate issued
8.	1631009	Kada Durga Devi	35Pass certificate issued
9.	1631010	Karri Katyani	39/Pass certificate issued
10.	1631011	Kola Dhana Kalyani	38/Pass certificate issued
11.	1631012	Kota Aruna	34/Pass certificate issued
12.	1631013	Mahila Akhila	35Pass certificate issued
13.	1631014	Putta Krishna Vardhini	41/Pass certificate issued
14.	1631015	Pilli Jhansi Lakshmi	40Pass certificate issued
15.	1631016	Poluparthi Sathya Sai Durga	42/Pass certificate issued
16.	1631017	Sri Vijayalakshmi	40/Pass certificate issued
17.	1631018	Voleti Pavani	45/Pass certificate issued
18.	1631019	Mansoor Devi Pravallika	40Pass certificate issued
19.	1631020	Bande Padmini Venkatalakshmi	36/Pass certificate issued
20.	1631021	Bajar Lalitha	38/Pass certificate issued
21.	1631022	Chekla Chandani	35Pass certificate issued
22.	1631023	Chinnari Ganga Bhavani	36/Pass certificate issued
23.	1631024	Kakashi Eshwari	38/Pass certificate issued
24.	1631025	Gummadi Shanthipriya	35/Pass certificate issued
25.	1631026	Inta Subbalakshmi	38Pass certificate issued
26.	1631027	Jakka Nagaratnam	35Pass certificate issued
27.	1631028	Jyothika Naga Lakshmi	38/Pass certificate issued
28.	1631029	Kakadu Durga Bhavani	41Pass certificate issued
29.	1631031	Kota Mahalakshmi	41Pass certificate issued

30	1631032	Mekala Kanchana	36/Pass certificate issued
31	1631033	Madhugu Sandhya Rani	34/Pass certificate issued
32	1631034	Nagam Satya Sai Durga	33/Pass certificate issued
33	1631035	Nerdumilli Padmaja	41/Pass certificate issued
34	1631036	Pandam Anusha	33/Pass certificate issued
35	1631037	Penke Madhavi	32/Pass certificate issued
36	1631038	Reddy Krishna Veni	33/Pass certificate issued
37	1631039	Reva Durga Bhavani	31/Pass certificate issued
38	1631040	Sangani Pramila Devi	30/Pass certificate issued
39	1631041	T.Sindhu Sri Bihari	31/Pass certificate issued
40	1631043	Valangi Pravallika	36/Pass certificate issued
41	1631044	Yerripalli Lakshmi	36/Pass certificate issued

