

Report

STC-Solar Devices Skill development program

Centre for Energy Studies, NIT Hamirpur

Held on 4th and 5th March 2022

A Short-term course on Solar Devices Skill development program held on 4th and 5th March 2022 in Lecture Hall of Centre for Energy Studies, NIT Hamirpur.

Lectures were delivered by Prof. NS Thakur, Dr Mamta Awasthi and Mr Prashant Malik. All lectures and practical were conducted inside the hall and rooftop of CES building where most of the facilities were located.

Introduction to renewable energy and renewable efficiency was discussed by Dr Mamta Awasthi Solar thermal equipment's were detailed by Prof NS Thakur and Working principles and hurdles during the installation and cost-effective criteria were discussed by Mr. Prashant Malik. The expertise of Mr. Prashant on PV solar system was discussed with the participants. Overwhelming response of the participants related to purchasing and cost-effectiveness about the domestic solar equipment's

Significance of the program

India has launched the Jawaharlal Nehru National Solar Mission (JNNSM) in 2009-10 with the ambitious target of installing 20,000 MW of solar power, solar Photovoltaic (PV), solar thermal, by the year 2022. The JNNSM provides incentives that promote solar PV system installations both at grid-connected PV system and off-grid PV system levels. The state Governments in India are also making and implementing their own plans for promoting solar PV systems by

incentivizing the installations. To enable the deployment of solar PV systems in India, there is a need for large number of trained people in the solar PV area. The course was intended to benefit semiskilled and skilled people on solar PV system. The workshop intended for an excellent opportunity to learn basic aspects of Solar technology and gets hands on experience in designing and installation of solar PV and Thermal systems.

Objectives were fulfilled i.e., Awareness about the solar technology, technical details about solar system selection, designing aspects of solar PV/solar thermal, Knowledge policies about solar setup in HP The event covered the practical/theoretical problems related to energy program with emphasis on Solar system

Sessions photographs

Time	PROGRAM	Expert
9.30 AM-11.00 AM	Introduction to Renewable energy	Dr. Mamta
11.00 AM-11.30 PM	Tea	
11.30 AM-1.30 PM	Solar thermal technologies for power generation	Prof. N.S T
1.30 PM-2.30 PM	Lunch	
2.30 PM-4.30 PM	Roof top solar power plant and Solar photo voltaic Systems	Mr. Prashant Malik
<ul style="list-style-type: none"> • Domestic COOKING systems • Industrial process heat systems • Desalination of water using solar thermal technologies • Power Generation from solar thermal systems • Introduction of solar power plant types • Grid connected power plants • Off-grid power plants • Hybrid power plants 		



