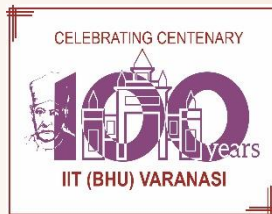


Skill Development and Training on Renewable Energy Equipments

July 15-30, 2022



Funded by



**Indian Science Technology and
Engineering facilities Map (I-STEM)**

Organized by:

CST UP Incubation Centre for Grassroot
Innovators, Mechanical Engineering
**Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005**

Venue:

**CERD Lab, Department of Mechanical
Engineering
IIT (BHU), Varanasi-221005**

Introduction & Objective

The training aims to develop skill of operation and maintenance for equipment already in use in Renewable Energy sector. It will involve the knowledge transfer and enhance job prospects of unemployed youth of this region.

Objectives

- To understand fundamentals of solar and wind energies.
- To understand constructions, working principle of solar thermal Test Rig.
- To understand constructions, working principle of wind Energy training System and wind Emulator training System.
- To apply basic engineering principle to design a simple solar and wind power system

Course Outcomes

On completion of the course, participants will be able to -

- Explain the application and dependency on non-conventional energy source.
- Demonstrate the principle of solar thermal technology.
- Demonstrate the principle of wind energy training technology.
- Demonstrate the principle of wind emulator training technology.
- Design simple solar and wind power system

PATRON

- Prof. Pramod Kumar Jain, Director, IIT(BHU)

ADVISORY BOARD

- Prof. Vikas Kumar Dubey, Dean (R&D)
- Prof. Santosh Kumar, Head, Mechanical Engineering Department
- Dr. Ashutosh Kumar Dubey, Ceramic Engineering
- Dr. Sanjeev Srivastava, COO, I-STEM, IISc Bangalore
- Dr. P. K. S. Rathore, CAS, AKTU, Lucknow

About the City and Institute

The holy city Varanasi is the oldest living city in the world which is also known as the capital of the spiritualistic world. It is a place of great historical and cultural importance. This religious capital of India is situated on the bank of the holy river Ganges and is famous for temples of Lord Shiva, Buddha (at Sarnath) and Sankat Mochan etc. The Institute of Technology, BHU was formed in 1968 and converted into Indian Institute of Technology (Banaras Hindu University) on 29 June 2012. Presently, the institute comprises 14 Departments and three interdisciplinary schools.

Who should attend?

- Person who passed any of following:
Diploma/Polytechnic/B.Tech/B.E/B.Sc/M.Sc.
- Participants will be preferred having local address with in the radius of 50 km to venue.

Call for Registration

The registration is free. Limited seats are available on first come first serve basis. However, total no. of available seats is limited to 30 only. Participants willing to attend the training are requested to submit the completed registration form through Google form.

Google form link

<https://forms.gle/eNb2FiYyJ2rq7zk1A>

I-STEM Portal Registration link

<https://www.istem.gov.in/registration/user/94a08da1fecbb6e8b46990538c7b50b2>

CHAIRPERSON

Prof. S.K. Shukla, Mechanical Engineering Department

ORGANIZING SECRETORY cum TREASURER

Dr. R. Santhosh, Mechanical Engineering Department

Mr. Ankit Mishra, CERD lab

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REGISTRATION FORM

Skill Development and Training on Renewable Energy Equipments

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1. Name

2. a) Age b) Sex: M/F

3. Qualification

4. Address for correspondence

.....

.....

E-mail:.....

Phone/Mobile.....

5. Area(s) of interest

6.a) Date and Time of arrival

.....

b) Date and Time of departure

.....

Date.....

Place

Signature of the Applicant