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
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- Dr. Sanjeev Srivastava, COO, I-STEM, IISc Bangalore
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**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

“The Author(s) acknowledge that the work reported here was supported in part by I-STEM (Indian Science, Technology, and Engineering facilities Map) program, funded by the Office of the Principal Scientific Adviser to the Govt. of India.”