Online short-term course
(e-STC)
"Energy Efficient Building Technology" (EEBT-2021)

3rd January – 7th January, 2021

REGISTRATION FORM

Name: ……

Designation: ……..……

Organization: ……

Qualification: ……...

Field of specialization: …….

Correspondence Address: ……..……
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Tel. (M) …….…….....

E-Mail: ……..…….

Date: Place:

Signature of candidate……..

Patron
Prof. Lalit Kumar Awasthi
Director

Chairman
Dr. Somesh Sharma,
Head, DoME

Convener
Dr. Debasish Das

Coordinator(s)
Dr. Puneet Sharma
Dr. Parnika Shrivastava

Treasurer
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Online short-term course (e-STC)

"Energy Efficient Building Technology" (EEBT-2021)

3rd January – 7th January, 2021

An Initiative of
National Institute of Technology Hamirpur
Hamirpur, Himachal Pradesh, India

Organized by
Department of Mechanical Engineering
Department of Architecture
National Institute of Technology Hamirpur
Web: www.nith.ac.in

About the Institute

National Institute of Technology Hamirpur, HP

National Institute of Technology Hamirpur is one of the thirty one NITs of the country, established in 1986 as Regional Engineering College, as a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. The goals of the institute as embodied in the logo are truly remarkable in their scope of vision. The college provides Undergraduate, Postgraduate and Doctorate Education in Engineering, Sciences & Humanities; fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied.

About Department of Mechanical

The Department of Mechanical Engineering came into its existence right from the inception of the then Regional Engineering College Hamirpur (now National Institute of Technology Hamirpur) in the year 1986 and served as catering department to other disciplines. The discipline of Mechanical Engineering started offering undergraduate programme leading to four year Bachelor of Technology (B.Tech) degree in Mechanical Engineering in the year 1994. The department has a separate building housing the various laboratories viz : Strength of Materials, Theory of Machines, Dynamics of Machinery, Mechanical Measurements and Control, Heat Transfer, Refrigeration & Air Conditioning, Turbo Machines, Production, CAD/CAM, Metrology & Heat Engines, lecture rooms, seminar room, faculty chambers and office. The department has started a Postgraduate programme leading to M. Tech. Degree with specialization in Computational Methods and Experimental Techniques in Fluid Flow & Heat transfer, admitting students from the session 2005-2006 and offering a Ph.D programme in the areas of Design, Thermal, Production/Industrial. Research scholars have registered and are pursuing their Ph.D work.

About Department of Architecture

The department of Architecture was established in year 2000. The Department has been imparting Quality education to B. Arch & M. Arch. (Sustainable Architecture) students by reviewing its curricula from time to time, modernizing its laboratories with state of the art equipments and latest softwares. The classrooms are well equipped with all modern electronic audio-visual facilities. Presently, the department offers a five-year undergraduate course which includes semester training and two year M.Arch. (Sustainable Architecture) as per the norms of the Council of Architecture. The department has a very cognitive work environment where innovation is encouraged.

Objectives and Scope

- To bring together leading academicians, industrialists and researchers to exchange and share their experience and knowledge related to Energy Efficient Building Technology
- To provide a platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of EEBT
- To explore various simulations techniques regarding reverse engineering and rapid prototyping techniques.
- To share the acquired skills and challenges encounter for developing climatic responsive designs.
- To disseminate the architectural design and energy flow system in buildings.

Resource Persons/Speakers

Faculties/Experts from SPAs, NITs, IIITs and other premier Institutions/Organizations will deliver the lectures.

Targeted Participants

Faculty from engineering institutes, universities, research scholars, UG/PG students, and other educational institutes and employees of the industries.

Topics to be Covered

- Roof top solar panel
- Passive design technology
- Climatic responsive design
- Role of natural light & ventilation
- Selection of building material
- Heat island effect
- Rolls of urban landscape
- Energy & Environmental Engineering
- Energy efficiency in traditional building
- Simulation techniques
- Contemporary studies of EEB
- Refrigeration and Air conditioning
- Rapid prototyping for architectural designs

Registration Fee Details

Registration is compulsory for all the delegates.
Registration fee: Through SBI Collect / NEFT

(a) Rs. 500 for Academia/R&D Labs participants
(b) Rs. 200 for Students
(c) Rs. 1000 for participants from Industry

Certificate

e -certificate will be issued to the participants.
Participants should have 75% attendance.

How to apply

Application in the prescribed format, must reach the coordinators on or before 2nd **Jan, 2021.**

Registration Link:
https://docs.google.com/forms/d/1d5By79DjNCONIGGbEe6wM8BSzAKsmDzy_OvwRQv9vTk