

**Online short-term course  
(e-STC)  
“Energy Efficient Building  
Technology” (EEBT-2021)**

**3<sup>rd</sup> January – 7<sup>th</sup> 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**

Dr. Parnika Shrivastava

**Address for Correspondence**

**Dr. Puneet Sharma**

Assistant Professor

Department of Architecture

NIT, Hamirpur, Himachal Pradesh – 177 005

Email: [architect.puneet@nith.ac.in](mailto:architect.puneet@nith.ac.in)

Mob: 9459210590

&

**Dr. Parnika Srivastava**

Assistant Professor

Department of Mechanical Engineering

NIT, Hamirpur, Himachal Pradesh – 177 005

Email: [dr.parnika@nith.ac.in](mailto:dr.parnika@nith.ac.in)

Mob: 9928154894

**Online short-term course (e-STC)**

**“Energy Efficient Building Technology”  
(EEBT-2021)**

**3<sup>rd</sup> January – 7<sup>th</sup> 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](http://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, IITs 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 2<sup>nd</sup> Jan, 2021.

### Registration Link:

[https://docs.google.com/forms/d/1d5By79DjNC ONIGGbEe6wM8BSzAKsmDzy\\_OvwRQv9vTk](https://docs.google.com/forms/d/1d5By79DjNC ONIGGbEe6wM8BSzAKsmDzy_OvwRQv9vTk)

**Important Dates:**

Last date (Online Registration): 02-12-2021

**Who can participate:**

This program is open to faculty members, research scholars, PG & UG Students, and industrial personnel.

**Registration Process**

The interested participants should register by paying the registration fee and filling the google form through the below link:

[https://docs.google.com/forms/d/1d5By79DjNCONIGGbEe6wM8BSzAKsmDzy\\_OvwRQv9vTk](https://docs.google.com/forms/d/1d5By79DjNCONIGGbEe6wM8BSzAKsmDzy_OvwRQv9vTk)

<b>Procedure for SBI collect</b>	<b>Bank Details for NEFT</b>
<p>Visit SBI Collect at <a href="https://www.onlinesbi.com/sbicollect/icollecthome.htm">https://www.onlinesbi.com/sbicollect/icollecthome.htm</a></p> <p>Click on Proceed after accepting terms and conditions Select <b>State of Corporate / Institution:</b> <b>Himachal Pradesh</b> and <b>Type of Corporate / Institution *</b> as <b>Educational Institutions</b> and click <b>Go</b>. <b>Select Educational Institutions Name *: NIT Hamirpur</b> <b>Select Payment Category *: WORKSHOP STC FDP CONFERENCE (Last option)</b> Fill up all the details. Write <b>TITLE OF STC: e_workshop on Energy Efficient Building Technology” (EEBT-2021)</b> and <b>ORGANIZING DEPARTMENT *: Mechanical Engineering</b> <b>Address: Filling Postal code is must</b> Submit the form and generate the receipt.</p>	<p>Bank &amp; Branch Name: SBI, NIT Hamirpur (H.P.) Account Name: Director NIT Hamirpur Current Account No.: 11159548375 IFSC Code: SBIN0010367</p>