Online short-term course (STC)

"Recent Trends in Energy and Environmental Engineering applications"

19th – 23rd August, 2024

REGISTRATION FORM

Name: ……

Designation: ……

Organization: ……

Qualification: ……

Field of specialization: ……

Correspondence Address: ……

……

……

Tel. (O/R) …… …… ……

(M) …… ……

E-Mail: …… ……

Date **Signature of candidate**

Place

Signature & Name of Supervisor/HoD/ Principal/Director along with the Institute seal……

Chief Patron

Prof. H. M. Suryawanshi
Director

Patron

Dr. Anoop Kumar
Dean (FW) NIT Hamirpur

Chairman & Convener

Dr. Alok Garg
HoD, DoCHE

Co-ordinator

Dr. Manish Kumar Dhiman, DoCHE

Treasurer

Dr. Alok Garg

Organizing Committee

All faculty members of DoCHE

Address for Correspondence:

Dr. Manish Kumar Dhiman
Assistant Professor
Department of Chemical Engineering
National Institute of Technology Hamirpur
Hamirpur, Himachal Pradesh – 177 005, India
Email: manishdhiman@nith.ac.in
Mob: 8473800290

Online short-term course (STC)

"Recent Trends in Energy and Environmental Engineering applications"

19th – 23rd August, 2024

An Initiative of

National Institute of Technology Hamirpur

Organized by

Department of Chemical Engineering National Institute of Technology Hamirpur

Hamirpur, Himachal Pradesh – 177 005, India Phone: +91-1972-254880

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

The department of Chemical Engineering was established in the year 2013, with a mission to impart high quality engineering education and to mould the students to meet the ever growing demand of technical manpower in the area of Chemical Engineering. The department offers four years B. Tech Programme in Chemical Engineering with a total intake of 60 students. The admission to the B. Tech. program is based through the JEE (Joint Entrance Examination) main score. The department has a strong core curriculum complemented by electives in the important emerging areas of Chemical Engineering. The department comprises of eleven different laboratories for the undergraduates catering to the needs of the curriculum. In addition, analytical instruments, computer facilities and research laboratories for the postgraduates and doctoral resources are already in place. All the faculties are highly qualified and well dedicated to teaching and research in various fields of chemical engineering as well as in different interdisciplinary areas of engineering.

Objectives and Scope

The objective of the short-term course (STC) on Recent Trends in Energy and Environmental Engineering applications are: (a) Understand Emerging Technologies: Gain knowledge of the latest advancements in energy production and environmental protection technologies (b) Analyze Sustainable Energy Sources: Evaluate the benefits and challenges of various sustainable energy sources, such as solar, wind, geothermal, and bioenergy (c) Explore Energy Efficiency Techniques: Learn about innovative methods and technologies to enhance energy efficiency in industrial, commercial, and residential settings (d)Study Environmental Impact: Assess the environmental impact of different energy sources and industrial processes, focusing on reducing carbon footprint and mitigating climate change (e) Investigate Energy Storage Solutions: Explore recent developments in energy storage technologies, including batteries, supercapacitors, and other energy storage systems. (f) Renewable Energy Integration: Study the integration of renewable energy sources into existing power grids and the challenges associated with this process.

Persons/Speakers

Faculties/Experts from IITs, NITs, 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.

Number of Participants

Number of participants is limited for this STC. Application will be accepted on ***first-cum-first serve basis***.

Topics to be Covered

- Waste management
- Battery modelling
- Kinetic modelling
- Energy storage devices
- Green technologies
- Process Modelling and Dynamics
- Artificial Neural Network
- Environmental conservation
- Data Analytics

Registration Fee Details

Participants	**Amount (Rs.)**
Participants from Academia/ R&D Labs	500
Students	200
Participants from Industries	500
Delegates from NIT Hamirpur	NIL

Registration is compulsory for all the delegates. No registration fees are required. Maximum limit of participants is 50. Participants should have 100% attendance.

Certificate

Certificate will be issued to the participants after successful submitting the feedback form on completion of this short-term course (STC).

How to apply

Application in the prescribed format, must reach to the coordinators on or before **15st August, 2024. Please visit the below link for details**

Registration Link:

https://docs.google.com/forms/d/1hZfaqARF5iO4UHFApvKuiODB9KyBPzra4eVMdUPUqrg/edit