Online short-term course (e-STC)

"Advanced Environmental and Energy Techniques" (AEET-2020)

20th – 24th November, 2023

REGISTRATION FORM

Name: ……

Designation: ……

Organization: ……

Qualification: ……

Field of specialization: ……

Correspondence Address: ……

……

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Tel. (O/R) …… …… ……

(M) …… ……

E-Mail: …… ……

Date **Signature of candidate**

Place

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

Patron

Prof. H. M. Suryawanshi
Director

Chairman

Dr. Anoop Kumar
Dean (FW) NIT Hamirpur

Convener & Treasurer

Dr. Alok Garg

Co-ordinator

Dr Amit Arora

Organizing Committee

All faculty members of DoCHE

Address for Correspondence:

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Online short-term course (e-STC)

"Advanced Environmental and Energy Techniques" (AEET-2020)

20th – 24th November, 2023

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 e-STC will be an opportunity to explore the recent aspects of research in the field of environmental techniques. It will assist the participants to achieve the information related to experimental and simulation along with technological advancement in the field of wastewater treatment. The advancement in research/technology to overcome industrial wastewater treatment challenges are in high demand at present scenario. This short-term course designed to train participants on tackling industrial and research challenges for wastewater treatment. The participants will get the application of advanced characterization or analytical techniques like XPS, TEM, FESEM, UV-Visible Spectrophotometer, FTIR, etc for the material characterization.

The objective of this e-STC is designed such that it should be able to lighten the undergraduate, graduate, research scholars, faculty and industrial participants about the latest developments and research aspects in the field of wastewater treatment.

Resource Persons/Speakers

Faculties/Experts from IITs, 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.

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

- Electronic Waste Disposal
- Electro-oxidation
- Photo-Fenton
- Electrochemical treatment
- Sequential Microbial Photoreactor
- Photocatalysis
- Doped and codoped photocatalysis
- Continuous Photo-reactor
- Use of CFD and Comsol in wastewater treatment
- Use of CFD and RSM in wastewater treatment
- Use of ANN and RSM in wastewater treatment

Registration Fee Details

Participants	**Amount (Rs.)**
Participants from Academia/ R&D Labs	Nil
Students	Nil
Participants from Industries	Nil

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

Certificate

e -certificate will be issued to the participants after successful submitting the feedback form on completion of the online short-term course.

How to apply

Application in the prescribed format, must reach the coordinators on or before **16th Nov, 2020.**

Registration Link:

https://forms.gle/SS2UJFKagSqJkLEz9