

**Online short-term course
(e-STC)
“Advanced
Research Trends in Chemical
Engineering”
(ARTCE-2020)
28th October – 1st November, 2020**

REGISTRATION FORM

Name:
Designation:
Organization:
Qualification:
Field of specialization:
Correspondence Address:
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Tel. (O/R)
(M)
E-Mail:
Amount
SBI Collect No.....
Date
Bank Details
Accommodation Required: Yes / No
Date: Place:

Signature of candidate.....

Note: The scanned copy of the registration form should be attached in the google form provided in the registration link

Patron

Prof. Lalit Kumar Awasthi
Director

Chairman

Dr. Tapas Palai
Head, Department of Chemical Engineering

Convener

Dr. Leela Manohar

Coordinator(s)

Dr. Rahul Saha
Dr. Arvind K. Gautam

Treasurer

Dr. Arvind K. Gautam

Organizing Committee

Dr. Radhe Shyam
Dr. Subhajit Majumder
Dr. Alok Garg
Dr. Tara Chand Kumawat
Dr. Pooja Thakur
Dr. Smita Mondal

Address for Correspondence

Dr. Rahul Saha

Assistant Professor
Department of Chemical Engineering
Email: rsaha@nith.ac.in
Mob: 7005645345

Dr. Arvind K. Gautam

Assistant Professor
Department of Chemical Engineering
Email: akgautam@nith.ac.in
Mob: 8264559512

Online short-term course (e-STC)

**“Advanced
Research Trends in Chemical Engineering”
(ARTCE-2020)
28th October – 1st November, 2020**

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



Organized by
Department of Chemical Engineering
National Institute of Technology Hamirpur
Hamirpur, Himachal Pradesh – 177 005, India
Phone: +91-1972-254880
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

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 STC will be an opportunity to explore the recent aspects of research in the field of Chemical Engineering. It will assist the participants to achieve the information related to experimental and simulation along with technological advancement in the field of Chemical Engineering and other related interdisciplinary branches. The advancement in research/technology to overcome industrial challenges are in high demand at present scenario. This short-term course consisting of two modules such as online interactions and virtual training, and it designed to train participants on tackling industrial and research challenges. The participants will get the exposure for advanced research characterization or analytical techniques /equipment like SEM, AFM, Spin Coating unit, Raman spectroscopy, UV-Visible Spectrophotometer, FTIR, etc. through virtual online lectures by the experts. Further, a virtual demonstration to simulate industrial problems with the available related software such as ANSYS, MATLAB, COSMOTHERM and COMSOL will be executed. The objective of this STC is designed such that it should be able to lighten the undergraduate, graduate, research scholars and industrial participants about the latest developments and research aspects in the field of chemical engineering and other related interdisciplinary branch.

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

- Process Modeling and Simulation
- Process Intensification
- Process Optimization and Control
- Computational Fluid Dynamics
- Chemical Reaction Engineering
- Heat and Mass Transfer Operations
- Bio-chemical Engineering
- Separation Processes
- Energy & Environmental Engineering
- Nano-technology and Nano-materials
- Wastewater Treatment
- Industrial Hazards and Safety Management
- Chemical Enhanced Oil Recovery
- Petroleum Refining

Registration Fee Details

Participants	Amount (in 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 **27th October, 2020**.

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSeccvApd-56a-9v5CgegY3vXfv_MiyPijU3BEUz13eTtO5zGQ/viewform