



## About NIT Hamirpur

National Institute of Technology Hamirpur is one of the thirty-one NITs of the country, which came into existence on August 07, 1986 as Regional Engineering College, a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. On June 26; 2002, REC Hamirpur was awarded the status of Deemed University and upgraded to National Institute of Technology. NIT Hamirpur is an institute of National importance set up by an act of Parliament namely the National Institute of Technology Act 2007 which received the accent of the President of India on June 05, 2007.

## About Chemical Engineering Department

Department of Chemical Engineering was established in the year 2013, with a mission to impart high quality engineering education and to mold the students to meet the ever-growing demand of technical manpower in the field of Chemical Engineering. The department offers three programs B.Tech, M.Tech and Ph.D. The department comprises of several laboratories for the undergraduates catering to the needs of the curriculum.

In addition, computational/ experimental 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.

### PATRON

**Prof. Lalit Kumar Awasthi**  
Director, NIT Hamirpur

### CHAIRMAN

**Dr. Tapas Palai**  
Head, Department of Chemical Engineering  
NIT Hamirpur

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### COORDINATORS

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### TREASURER

**Dr. Pooja Thakur**

### DEPARTMENTAL ORGANIZING COMMITTEE

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**Dr. Alok Garg**  
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**Dr. Tara Chand Kumawat**  
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Department of Chemical Engineering  
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### CONTACT PERSONS

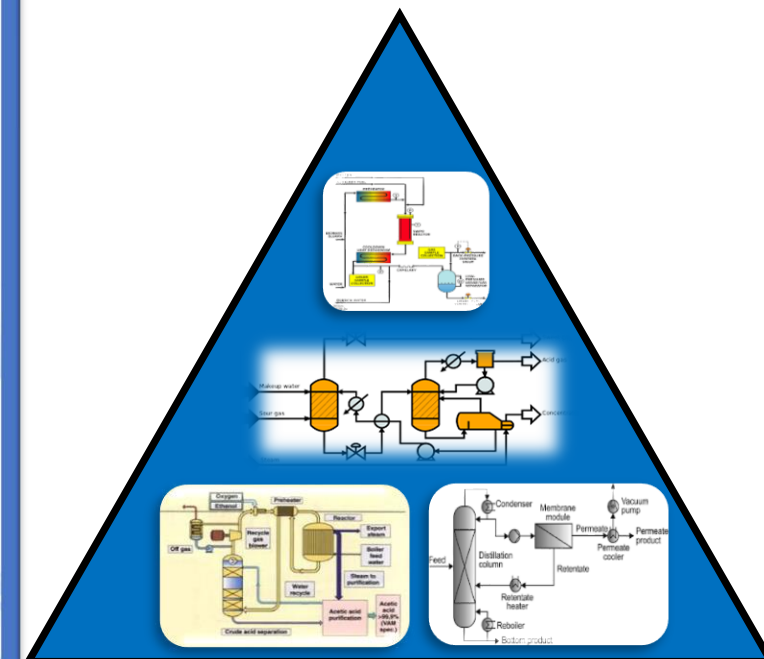
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## e-WORKSHOP

on

## Frontiers in Sustainable Chemical Processes (FSCP - 2021)

February 1 – 5, 2021



### ORGANIZED BY

**Department of Chemical Engineering**  
**National Institute of Technology**  
**Hamirpur – 177005**  
**Himachal Pradesh-India**

## About The e-Workshop

The goal of a conceptual design is to find the best process flowsheet and estimate the optimum design conditions. There are intricacies involved in developing THE BEST flowsheet for a sustainable process. Experience indicates that only 1% of ideas for new designs ever become commercialized. In addition, in many cases processing costs involved with the various process alternatives differ by an order of magnitude or more which makes the development of the cost-effective processes more difficult. Therefore, there is a need to cater the conceptual design aspects of process engineering which are economically viable and environmentally safe.

The proposed e-Workshop is infused with detailed designing aspects and recent advancements in the chemical and allied process industries. It will have sessions on Process Designing of various Chemical Processes in which various facets of process intensification and energy integration will be covered. This workshop will be helpful for undergraduate & post graduate students, Ph.D. research scholars, faculties and working professionals in process industries to conceptualize the designing aspects and translating them to actual industrial practices.

## Objectives of The e-Workshop

- To provide detailed conceptual design guidelines for developing a sustainable chemical process based on process intensification and energy integration viewpoints
- To focus on recent technical advancements in process engineering.
- To develop a comprehensive knowledge of the key aspects of process engineering

## Thrust of The e-Workshop

In this program, the participants will be able to:

- understand fundamental principles used in various chemical processes and facilities
- apply technical knowledge in developing the best process flowsheet
- apply learning from safety incident
- perform relevant calculations and analyses to assist in operation, sizing & troubleshooting in process engineering
- understand recent technical advancement in process engineering.

## Who Can Apply

- **Students-** UG, PG, PhD
- **Faculty Members**
- **Other professionals-** Engineers and scientists from Industry and R&D organizations

## Participation Fee

All registered participants will get participation e-certificate. The participation fee including GST is mentioned below

- |                                 |          |
|---------------------------------|----------|
| ➤ <b>Student (UG/PG/PhD):</b>   | Rs. 200  |
| ➤ <b>Academia/R&amp;D Labs:</b> | Rs. 500  |
| ➤ <b>Industry participants:</b> | Rs. 1000 |

## Important Dates

- **Last Date of Registration:** 28/01/2021
- **Intimation to Participants :** 29/01/2021

**\*E-Certificate will be provided to those registered participants whose minimum attendance is 80% of the program**

## How to Apply

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/1pb9eq9DKrK2rDXfAge74pIjH56lcHuGNVLvagYqhfHI/edit>

**The SBI I-collect has following steps:**

- Visit SBI Collect at <https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- Click on Proceed after accepting terms and conditions
- Select State of Corporate / Institution: Himachal Pradesh and Type of Corporate /Institution \* as Educational Institutions and click Go.
- Select Educational Institutions Name \*: NIT Hamirpur
- Select Payment Category \*: WORKSHOP STC FDP CONFERENCE (Last option)
- Fill up all the details.
  - Write TITLE OF STC:
  - ORGANIZING DEPARTMENT \*:
- Address: Filling Postal code is must
- Submit the form and generate the receipt.

## List of Eminent Speakers

- **Dr. Ravindra D Gudi**, Professor, IIT Bombay
- **Dr. Parag Gogate**, Professor, ICT Mumbai
- **Dr. Abhishek Sharma**, Dr. Ramdas Pai Research Chair Professor and Director, Manipal University, Jaipur
- **Dr. Thallada Bhaskar**, Senior Principal Scientist, IIP Dehradun
- **Dr. Raghvendra Gupta**, Associate Professor, IIT Guwahati
- **Dr. Pankaj Tiwari**, Associate Professor, IIT Guwahati
- **Dr. Gaurav A. Bhaduri**, Assistant Professor, IIT Jammu
- **Dr. Dipaloy Dutta**, Assistant Professor, MNIT Jaipur
- **Mr. Anjal Phukan**, Cimarron Energy Inc.
- **Dr. Amol Deshpande**, Assistant Professor, BITS-Pilani
- **Dr. Ranjan Phukan**, Assistant Professor, Dibrugarh University