

**Online Short-Term Course (STC)**  
**on**  
**Sustainable Technologies**  
**for**  
**Pollution Control**  
**(STPC-2025)**  
**January 20-24, 2025**



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

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**Organizing Committee**

**All faculty members of DoCHE**

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**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.

## About The e-STC

The growing urgency to address environmental pollution and climate change has made it essential for individuals and organizations to adopt advanced and sustainable technologies for effective pollution control. Pollution control technology is a crucial discipline that effectively mitigates and manages various forms of pollution to safeguard the environment and human health. It encompasses a diverse range of innovative methodologies and techniques to boldly address pollution sources and their associated complexities. Pollution control technology focuses on understanding and reducing the effects of aerosols on air quality and human health. It is crucial to effectively control and remove pollutants such as nitrogen (NO<sub>x</sub>) and sulfur (SO<sub>x</sub>) in industrial environments. Ongoing efforts are being made to develop and implement innovative techniques and technologies to minimize these emissions and comply with environmental regulations.

## Objectives of The e-STC

- To impart foundational knowledge of current pollution control technologies, including their principles, applications, and benefits in the context of sustainability.
- To assess the effectiveness and feasibility of various pollution control technologies for different environmental contexts and industries.
- To make aware about various regulatory frameworks and compliance requirements associated with pollution control technologies to ensure adherence to environmental standards.
- To emphasize the importance of integrating sustainability principles into pollution control measures to achieve long-term environmental and economic benefits.

## Thrust of The e-STC

In this program, the participants will be able to:

- gain a deep understanding of cutting-edge pollution control technologies and sustainable practices,
- identify cost-effective solutions that reduce long-term operational expenses through increased efficiency and reduced environmental impact.
- integrate sustainability principles into their pollution control measures, significantly contributing towards ensuring long-term ecological health.

## 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

- **Student (UG/PG/PhD):** 300 INR
- **Academia/ R&D Labs:** 500 INR
- **Industry participants:** 1000 INR
- **Internal Participants of NITH** Nil

## Mode of Fee Payment

Open SBI Collect  
<<https://www.onlinesbi.sbi/sbicollect/>>Under Select Category <Click on Educational Institutions>  
Filter by state <Himachal Pradesh>  
Educational Institutions <NIT Hamirpur>Payment Category <Workshop/ STC/FDP/Conference>

## Important Dates

- **Last Date of Registration: January 15, 2025**
  - **Intimation to Participants : January 16, 2025**
- \*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 (copy and paste the link):  
<https://forms.gle/hSY8c2HQfsN2VtsUA>

## List of Eminent Speakers

Name of Speakers	Affiliation
<b>Dr. Ram Sharan Singh</b>	Professor (HAG) & BIS Chair Professor, Department of Chemical Engineering & Technology, IIT-BHU Varanasi
<b>Dr. Bhim Charan Meikap</b>	Professor & Head, Department of Chemical Engineering, IIT Kharagpur
<b>Dr. Kailas L Wasewar</b>	Professor & Head, Department of Chemical Engineering, VNIT Nagpur
<b>Dr. Raj Mohan Balakrishnan</b>	Professor, Department of Chemical Engineering, NIT Karnataka Surathkal
<b>Dr. Suresh Pandian Elumalai</b>	Associate Professor, Department of Environmental Science & Engineering, IIT-ISM Dhanbad
<b>Dr. P. Senthil Kumar</b>	Associate Professor, Centre for Pollution Control and Environmental Engineering, School of Engineering and Technology, Pondicherry University Puducherry
<b>Dr. Ashutosh Kumar</b>	Senior Technical Officer, CSIR-NEERI Nagpur