



## 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. H.M. Suryawanshi  
Director, NIT Hamirpur

### CHAIRMAN

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Associate Professor & Head  
Department of Chemical Engineering  
NIT Hamirpur

### CONVENER

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Department of Chemical Engineering  
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### COORDINATOR

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### TREASURER

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### DEPARTMENTAL ORGANIZING COMMITTEE

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Dr. Arvind Kumar Gautam  
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Dr. Manish Dhiman  
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Department of Chemical Engineering  
NIT Hamirpur

### CONTACT PERSONS

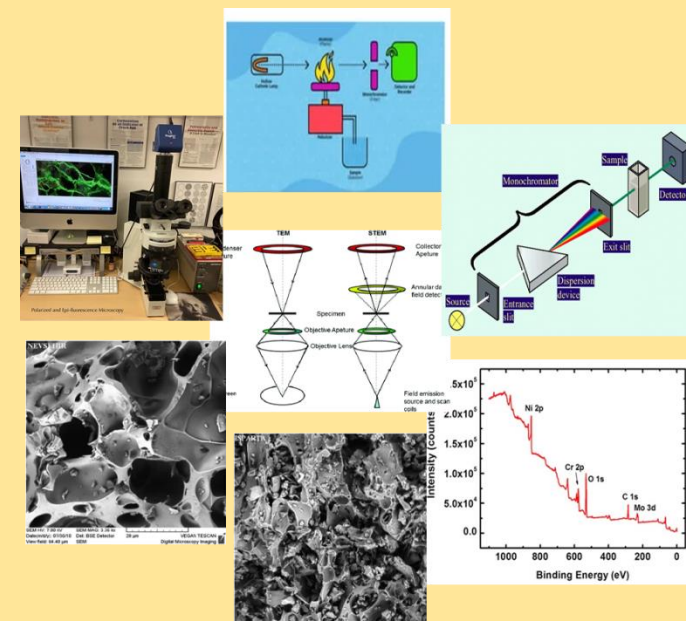
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e-STC

on

## Principles of Analytical Instruments for Chemical and Environmental Engineers (PAICEE-2024)

January 15-19, 2024



**ORGANIZED BY**

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

## About The e-STC

Analytical methods have been an indispensable area of interest for all chemical and environmental engineers, especially those involved in the qualitative and quantitative analysis of various process streams. The experience of various analytical instruments is vital and enables them to pursue research in many areas of modern science and technology. Analytical methods are fundamental in various fields, including science, research, data analysis, and problem-solving. Conducting a workshop provides participants with the opportunity to enhance their analytical skills. In academia, research heavily relies on analytical methods to gather, process, and interpret data. Hosting an e-STC can aid researchers in refining their methodologies, ensuring the accuracy and reliability of their findings.

In conclusion, organizing an e-STC on analytical methods is a worthwhile endeavor that can empower individuals, organizations, and communities with the essential skills and knowledge needed to thrive in today's data-driven and analytical world.

## Objectives of The e-STC

- To provide a sound knowledge of the basic principles of analysis, an understanding of the instrumentation involved and the opportunity to become familiar with practical techniques.
- To provide theoretical background of various analytical instruments such as Gas Chromatograph, High Performance Liquid Chromatograph, UV-VIS Spectrophotometer, Atomic Absorption Spectrophotometer, Fourier Transform Infrared Spectrophotometer, Volumer Trace Analyzer, Dynamic Foam Analyzer, Thermogravimetric Analyzer, Differential Scanning Calorimeter etc.

## Thrust of The e-STC

In this program, the participants will be able to:

- understand fundamental principles of various analytical instruments and facilities.
- acquire or enhance their skills in operating and maintaining analytical instruments, making them more proficient in their roles. This skill development is directly applicable to a wide range of industries, including chemistry, biology, materials science, and more.
- interpret data generated by these instruments, which is essential for making informed decisions and drawing meaningful conclusions.

## 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):** 200
- **Academia/ R&D Labs:** 500
- **Industry participants:** 1000

## Important Dates

- **Last Date of Registration: January 10, 2024**
- **Intimation to Participants : January 12, 2024**

**\*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://docs.google.com/forms/d/15TmufeMaML46XCbSA22m3D94zr50AhrwRtQTgYuZ-S0/edit>

## List of Eminent Speakers

Name of Speakers	Affiliation
Dr. Sri Sivakumar	Professor, Department of Chemical Engineering, IIT Kanpur
Dr. Rabibrata Mukherjee	Professor, Department of Chemical Engineering, IIT Kharagpur
Dr. Ravi Kumar	Professor, Department of Material Science & Engineering, NIT Hamirpur
Dr. Prashant Kumar Gupta	Assistant Professor, Department of Chemical Engineering, IIT Jodhpur
Dr. Sujit Sen	Associate Professor, Department of Chemical Engineering, NIT Rourkela
Dr. Tapas Palai	Associate Professor, Department of Chemical Engineering, NIT Hamirpur
Dr. Arti Sahu	Scientist, CSIR-CIMFR, Dhanbad
Dr. Pooja Thakur	Assistant Professor, Department of Chemical Engineering, NIT Hamirpur
Dr. Omkar Deshmukh	Assistant Professor, Department of Chemical Engineering, IIT Guwahati
Dr. Pooja Sahu	Scientific Officer-E, Bhabha Atomic Research Centre, Mumbai