

### Whom will the course benefit?

Scientists from research labs/practicing engineers from industries/faculty members of engineering colleges/research scholars/other interested persons.

### Course Contents:

1. First & Second Law of Thermodynamics
2. Energy Conservation & Waste Heat Recovery
3. Review of Heat Exchangers
4. Introduction to Pinch Technology
5. Minimum Heating and Cooling Requirements
6. Minimum Number of Exchangers
7. Design of Minimum Energy Heat Exchanger Networks
8. Loops and Paths
9. Reducing the Number of Exchangers
10. Stream Splitting
11. Composite Curves & Grand Composite Curves

### Faculty:

NIT faculty will deliver the lectures.

1. Dr. F.Q. Mir, Chemical Engg. Deptt.
2. Dr. M. Hanief, Mech. Engg. Deptt.

### Eligibility:

The course is meant for faculty/research scholars of engineering colleges recognized by All India Council for Technical Education (AICTE), National Institutes of Technology (NIT's) and National Institute of Technical Teachers' Training & Research (NITTTRs), Scientists from research labs/practicing engineers from industries/other interested persons.

### Course Fee:

Academic Institutes, R&D Labs : 500 INR  
Industries : 1000 INR  
Research Scholars : 500 INR

### Bank details for online payment of registration fees:

A/c Name: **TEQIP-III**  
A/c No: **0391040100011025**  
Bank Name: **J & K Bank**  
IFSC Code: **JAKA0RECSGR (0=Zero)**

**No TA/DA will be paid by the organizing institute (NIT Srinagar)**

## Short Term Course On Pinch Technology: A Heat Exchanger Network Analysis Tool

**29 July-02 August 2019**

**under TEQIP-III  
NIT SRINAGAR**

### Patron

**Prof. Rakesh Sehgal  
Director NIT Srinagar**

### Chairman

**Prof. M. F. Wani  
Coordinator TEQIP-III, NIT Srinagar**



### Coordinators

**Dr. F.Q. Mir  
Dr. M. Hanief**

## Registration form

Intending participants may use the attached application form or a xerox copy of the same.

Name: \_\_\_\_\_

Qualification: \_\_\_\_\_

Gender: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Name of the Institute/Industry: \_\_\_\_\_

Address for

Communication: \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Phone No : \_\_\_\_\_

### Deadlines:

Receiving completed applications : **26 July 2019**

Intimation of selection: **26 July 2019**

*Please mail the filled-in application form to:*

Dr. F.Q. Mir,  
Mob.:9149707313

Email: [mirfasil@nitsri.net](mailto:mirfasil@nitsri.net)

OR

Dr. M Hanief  
[hanief@nitsri.net](mailto:hanief@nitsri.net)

## Payment Details

Online Transaction Ref. ID: \_\_\_\_\_

Name of the Bank : \_\_\_\_\_

Amount in Rs.: \_\_\_\_\_

Dated: \_\_\_\_\_

To reach on or before: **26 July 2019**

Signature of  
Participant

Signature of the  
Competent  
Authority with Seal

