



Centre For Industrial Solutions and Advanced Training

A Global Services and Industrial Solutions Provider Company

An ISO 9001:2015 Certified

GST No: 27ABBPW5589J1ZV; Web: www.cisat.co.in; cisat.nagpur@gmail.com; Contact: +91-7709012815

Communication Address: 503, Sai Sankul, Plot D, Swamy Colony, Aakar Nagar, Friends Colony, Katol Road, Nagpur-440013, MH, India

Two Days training programme on

"Heat Exchanger (Tube, Shell and Plate Type)
(Fundamentals, Thermal Design, Operation & Maintenance)
during 4-5, August 2025 @Mumbai.

Dear Sir/Madam,

Greetings from CISAT! An ISO 9001:2015 certified Global Training Service Provider Company.

Sub: Participation in Two Days training programme on **"Heat Exchanger (Tube, Shell and Plate Type) (Fundamentals, Thermal Design, Operation & Maintenance)** during 4-5, August 2025 @Mumbai.

More details are mentioned herewith or you can ask more details for registration by an email/sms/call to cisat.nagpur@gmail.com; vikas@cisat.co.in; Vikas-7709012815. www.cisat.co.in.

Objective of the program:

Heat Exchangers are one of the most important and commonly used equipment's in chemical process industry. Thermal design provides key design parameters for the fabrication of heat exchangers. It is thermal design that provides input for mechanical design and later on fabrication of the exchangers. Proper understanding and knowledge related to fundamentals, thermal design, operation and maintenance of heat exchangers is extremely necessary and useful for Process engineers, plant Process engineers as well as manufacturers of heat exchangers for right design and manufacturing and smooth operation of the heat exchangers. It is this objective that this program will try to achieve.

Who should attend?

Process engineers & managers and Mechanical engineers & managers in plants and design organizations, heat exchanger vendors and manufacturers.

Prerequisites:

Anyone who is a graduate Process or Mechanical engineer working in a design engineering organization, plant or Vendor Company preferably with minimum 1-2 year's work experience can attend this training program.

Training programme Contents:

- Introduction to Heat Exchangers
- Types of Heat Exchangers
- Shell and Tube Exchangers and their Construction
- Design Considerations for Shell and Tube Heat Exchangers
- Fouling Factor in Heat Exchangers
- Double Pipe Heat Exchangers
- Classification of Shell and Tube Heat Exchangers
- Materials of Construction
- Cleaning of Heat Exchangers
- Other types of Shell and Tube Heat Exchangers

Services: Complete Industrial Services, HR/ Training/Recruitment, Energy/Safety Audit by accredited Firm, HR Automation System (ERP Software), Software Development, Consultancy.

"A Complete Industrial Solution (Outsourcing) under One roof"



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- Flow in Heat Exchangers
- Comparison of flows in tubular heat exchangers
- Regenerative and Non-regenerating heat exchangers
- Plate type Heat Exchangers
- Fouling in Plate Heat Exchangers
- Advantage of Plate Heat Exchangers over Shell and tube heat exchangers
- Application of Heat Exchangers
- Spiral plate and spiral tube heat exchangers
- Comparison between spiral-plate heat exchangers and shell-and-tube exchangers
- Pipe tracing
- Heat Transfer Fluids

Registration Details:

Dates of the program: 4-5, August (Monday and Tuesday) 2025 at Mumbai.

Non-Residential Participation fees: INR 25000/- Per participant (GST@18% extra, Includes Lunch, Snacks & Tea for both Days).

Payment: 100% in advance ECS/NEFT/DD in Favor of "Centre for Industrial Solutions and Advanced Training" Payable at Nagpur, Maharashtra, India. Bank: IDBI, Sadar, Nagpur, Maharashtra 440018, India; Account No: 0509 1020 0000 3353; IFSC Code: [IBKL0000648](#); MICR Code [440259006](#); GST Details 27ABBPW5589J1ZV.

Venue: To be informed.

Looking forward to further communication from you soon.

With Best Regards and Thanks,

Mrs. Rupali (Contact:+91-7709012815)

Director Business Development

www.cisat.co.in; Email: cisat.nagpur@gmail.com;

Centre For Industrial Solutions and Advanced Training (An ISO 9001:2015 Certified)

"A Complete HR Solution (Outsourcing) under One roof"

(HR Services, Behaviour Analysis/Training-Technical- Electrical/Mechanical/Automation/Chemical, Behavioral, Soft Skill, Safety, Out Bound, Business Excellence, Safety Audit, Energy Audit, Skill Gap Analysis/Automation Solution/Sales & Service; PLC/Drives, Productivity and Time and Motion Study, Improvement Projects, TPM, 5S and Six Sigma Implementation, Technicians Training)

Services: Complete Industrial Services, HR/ Training/Recruitment, Energy/Safety Audit by accredited Firm, HR Automation System (ERP Software), Software Development, Consultancy.

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