

2 Day Hybrid Workshop on Infrared Thermography

17, 18 July 2026

Online / In-Person at ASNT India Chennai Facility



The workshop aims to provide participants with a comprehensive understanding of Infrared Thermography (IRT) principles, thermal imaging techniques, and their industrial applications. Participants will gain practical knowledge in thermal image interpretation, anomaly detection, condition monitoring, and predictive maintenance practices.

The program will also familiarize attendees with infrared cameras, temperature measurement concepts, inspection procedures, and best practices for improving equipment reliability, safety, and operational efficiency.



This workshop is intended for NDT professionals, maintenance and reliability engineers, QA/QC personnel, electrical and mechanical engineers, plant maintenance staff, researchers, and students interested in Infrared Thermography applications for inspection and condition monitoring.

TOPICS TO BE COVERED

- Introduction to Infrared Thermography and heat transfer principles
- Basics of thermal radiation, emissivity, and temperature measurement
- Infrared cameras: selection, operation, and calibration
- Thermal image interpretation and analysis techniques
- Applications of IRT in electrical inspections
- Applications of IRT in mechanical systems and predictive maintenance
- Building diagnostics and energy audits using thermography
- Detection of insulation defects, leakages, and overheating
- Standards, codes, and safety practices in infrared inspections
- Case studies, practical demonstrations, and hands-on sessions

Course Fee: ASNT Members: ₹10,000* | Non-Members: ₹15,000*

*Gst 18% Additional.

Note: ASNT Re-certification points will be provided for the attendees

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For More Information

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