

# One-day training program on “Eddy Current Testing awareness”



**Dates:** 14<sup>th</sup> September, 2019

**Timing:** 9:00 am to 6:00 pm

**Venue:** Evolve by TCR, 215 Pancham Icon, Nr. D-mart, Vasna Road, Vadodara, Gujarat.

## Course Objective:

- Training with Practical demonstration for Eddy Current testing techniques.
- Understanding the use of non-destructive technique with respect to the flaw anticipated.
- Recognize the requirement of training and certification of NDT personnel and requirements of Nondestructive testing laboratory.
- Knowledge required to conduct or supervise basic Nondestructive testing and effectively communicate with metallurgy experts on more complicated cases.

## Course Content:

- Introduction to heat exchanger, types and damage mechanism in HE
- Introduction to eddy current testing principles and theory.
- Calibration with case study
- Difference between eddy current, saturated probe eddy current and remote field testing
- Practical demonstration on Olympus MS 5800 equipment

## Who should attend?

- NDT Technicians
- Engineers of junior management level
- Fresh /Junior Inspection Engineers
- Trainee process engineers
- Trainee Plant Engineers / Managers
- QA / QC Engineers
- Metallurgical / Materials Engineers
- Other Technical, Laboratory, engineers from other allied disciplines, management and administrative staff who need a working understanding of NDT and their applications.

## Registration:

The course is limited to 15 candidates only and participation will be decided on first come first served basis. Interested candidates can register by filling attached registration form. The course fee includes participation, course material and stationery. Tea / coffee & working lunch will be served. Candidates have to make their own arrangements for accommodation and local conveyance. The course fee is non-refundable; however, in the event of cancellation of training program by TCR for some unavoidable reasons, it will be refunded. TCR accepts the change in nomination.

## Course fee:

Single candidate:  
Rs. 6,000.00 for Indian delegates  
USD 170 for Foreign Delegates.  
GST @ 18.00 % applicable on above fees.

## Payment mode:

Interested candidates should mail/ E-mail the registration form along with DD/at par cheque in favour of "TCR ADVANCED ENGINEERING PVT. LTD." at the address mentioned in attached registration form.

## Faculty:

The course will be conducted by renowned experts with vast experience in respective field.



**Mr. Sandeep Singh**  
NDT Manager Level III  
TCR Advanced

He is qualified as NDT Level III in M.T., P.T., U.T., R.T. and E.T.

Fully Conversant with various codes such as ASME (Sec V, Sec VIII, Sec IX, ASME B31.1, B313.3, code case 2235), API 653, structural BS codes etc.

Having more than 5 Years of experience in NDT and Quality Control at various Power projects, Petrochemicals, Refineries, Structural and Automobile Industries.



**Mr. Gopul Patel**  
GM, TCR Advanced

He has an extensive knowledge of vacuum Technology and has worked as scientific officer at Department of science and technology sponsored research centre.

He is qualified as NDT level II in M.T., P.T., U.T. and E.T. and has experience of various advanced methods of material characterization and has worked extensively in the field of microscopy.

He is actively involved in establishing new testing facilities at lab as well as on site.



**Mr. Kamlesh Rana**  
Technical Manager  
TCR Advanced

He has vast experience of fabrication and forging fields. Having more than 20 years of experience.

He is qualified internal auditor for ISO 9001 and has handled API audits and also headed quality and assurance department of various forgeshops.

## Forward your Registration forms to:

**Mr. Rajesh Lakhnotra**, HOD - Training  
TCR Advanced Engineering Pvt. Ltd., 250/9 GIDC,  
Makarpura, Vadodara, Gujarat. Ph: 0265-2657233,  
7574805594-96

Email: [evolve@tcradvanced.com](mailto:evolve@tcradvanced.com)

Mobile: +91 7574801050

Registration form:

<http://tcradvanced.com/coursecalender.php>

More details:

<https://www.facebook.com/EvolveTCR/>

## Key Benefits:

- Working Understanding of use of Eddy current testing NDT techniques
- Gaining the knowledge required to conduct or supervise Eddy current NDT testing
- Understanding the Calibration techniques
- Understanding the difference between Eddy current saturated probe eddy current and remote field testing

## Training Sessions

### Topics

Introduction to heat exchanger, types and damage mechanism in HE

Introduction to eddy current testing principles, theory including variable in eddy current testing and ect standard

calibration with case study

difference between eddy current, saturated probe eddy current and remote field testing

practical demonstration on Olympus MS 5800 equipment