

## : Registration Fees :

IIM Members	Rs. 4,000/-
IIM non-member/organization	Rs. 4,500/-
Students	50% discount
Later than 20 <sup>th</sup> February 2020	Rs. 500/- extra

## : Online Payment :

**Bank Name** : Corporation Bank  
**Branch** : Dandia Bazar, Vadodara - 390001  
**A/C Name** : Indian Institute of Metals  
**A/c No** : 520101234030441  
**ISFC Code** : CORP0000155  
**Micr Code** : 390017003

## : Organizing Committee :

**Prof. K Baba Pai**, Director, ITM Universe, Vadodara.  
**Mr. Urvesh Vala**, DGM, L&T Chiyoda Ltd., Vadodara.  
**Prof. B. J. Chauhan**, Associate Professor, The M. S. Uni. of Baroda, Vadodara.  
**Dr. Ketan M. Tamboli**, Associate Professor, G. H. Patel College of Engg. & Technology, Vallabh Vidyanagar.  
**Mr. Hemant Panchal**, Asst. Professor, The M. S. Uni. of Baroda, Vadodara.  
**Mr. S. C Bohra**, Director, Bohmis Industries Pvt. Ltd.  
**Prof. S. K Agrawal**, Director, Fusion Resources, Vadodara.  
**Mr. Jitendrabhai Dave**, CEO, Advanced Metallurgical Services, Vadodara.  
**Mr. Bhargav Dave**, Manager, Advanced Metallurgical Services, Vadodara.  
**Mr. Daulat Kumar Sharma**, Asst. Professor, GEC, Gandhinagar.  
**Mr. Mandar Joshi**, Asst. professor, Dr. & S.S.Gandhi College, Surat.  
**Mr. Sidhesh Jambekar**, Dy. Manager, GSFC, Ltd., Vadodara.

## : Sponsorship :

**Platinum** : Rs. 75000/- (Five Delegate Free)  
**Gold** : Rs. 50,000/- (Three Delegate Free)  
**Silver** : Rs. 25,000/- (One Delegate Free)

## For Further Details & Registration Contact

### Convener

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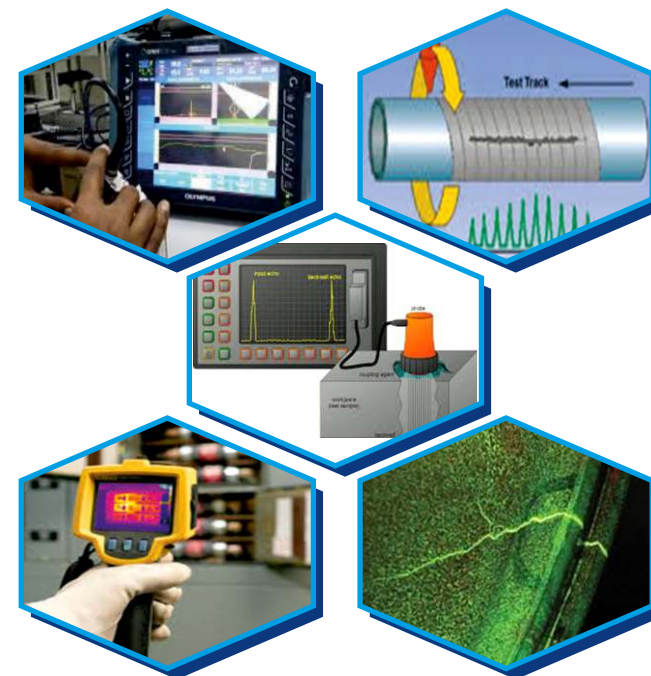
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# One day Workshop on BASICS & ADVANCES IN NON DESTRUCTIVE TESTING

Friday, 28<sup>th</sup> February 2020



## : Organized by :

**The Indian Institute of Metals  
Baroda Chapter**



**IIM**  
Metallurgy  
Materials Engineering

## : Venue :

Royal Orchid Centre Hotel Akota,  
Munjmahuda, Vadodara

## : Scope & Objective :

NDT is a very important inspection tool in the Engineering Industries which is utilized to inspect the integrity of the component. NDT or NDE can be used to find, size and locate surface and subsurface flaws and defects. Nondestructive testing (NDT) is a wide group of analysis techniques used in science and technology industry to evaluate the properties of a material, component or system without causing damage. The Six most frequently used NDT methods are Magnetic-Particle Testing, Liquid Penetrant Testing, Radiographic Testing, Ultrasonic Testing, Visual Testing & Eddy Current Testing.

NDT plays a crucial role in everyday life and is necessary to assure safety and reliability. Typical examples are found in Engineering products, Refineries, Oil platforms, Pipelines, Bridges, Trains, Power stations, Aircraft, Spacecraft (shuttle) & Automobiles which are all inspected using NDT.

Materials, products and equipment which fail to achieve their design requirements or projected life due to undetected defects may require expensive repair, early replacement or catastrophic failure. Such defects may also be the cause of unsafe conditions as well as loss of revenue due to unplanned plant shutdown. Non-destructive testing can be applied to each stage of an item's construction. The materials and welds can be examined using NDT and either accepted, rejected or repaired. NDT techniques can then be used to monitor the integrity of the item or structure throughout its design life. Successful and consistent application of nondestructive testing techniques depends heavily on personnel training, experience and integrity. Personnel involved in application of industrial NDT methods and interpretation of results should be certified, and in most of the industrial sectors certification is enforced by law or by the applied codes and standards.

In order to support Indian Industry and other stakeholders to better deal with NDT and its management, IIM Baroda Chapter is conducting **One Day Workshop on Basics & Advances in NDT** to give familiarity with the Conventional NDT techniques and Advanced NDT techniques.

## Who should attend?

The programme outline is designed for Professionals engaged in Inspection, Quality Control, Production, Management, Maintenance, Construction, Design, Procurement, Corrosion control, Operation etc. in-

- Engineering Industries
- Oil and gas production and processing industries
- Fertilizers and Petrochemical industries.
- Infrastructure companies / Foundry / FRP-GRP product mfrs.
- NDT professionals
- Welding professionals
- Power Plants
- Consulting Organizations
- NDT Equipment manufacturers & suppliers

## Technical Session

09.00 - 09.30 hrs	Registration
09.30 - 10.00 hrs	Inaugural Function
10.00 - 10.30 hrs	High Tea
10.30 - 12.45 hrs	Technical session - I
10.30 - 11.15 hrs	Conventional NDT methods & its Applications in the Industries.
11.15 - 12.00 hrs	Eddy Current Testing & IRIS for the Heat exchangers / Tube Inspections.
12.00 - 12.45 hrs	Various Types of Leak Testing / Helium Leak Testing.
12.45 - 13.30 hrs	Lunch Break
13.30 - 16.00 hrs	Technical session - II
13.30 - 14.15 hrs	Thermography Testing for Preventive / Predictive Maintenance in Industries.
14.15 - 15.00 hrs	Advanced NDT methods – PAUT / TOFD / LRUT.
15.00 - 15.15 hrs	Tea Break
15.15 - 16.00 hrs	NDT Certifications & its Importance in the Industries – ASNT / ISO-9712.
16.00 - 17.00 hrs	Panel Discussion
17.00 - 17.45 hrs	Valedictory function

## Registration Form NDT WORKSHOP -2020

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

Date: \_\_\_\_\_

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

Organization: \_\_\_\_\_

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

Experience: \_\_\_\_\_

Address for Correspondence: \_\_\_\_\_

Tel/mobile No: \_\_\_\_\_

Email ID : \_\_\_\_\_

IIM Member/Non-member: \_\_\_\_\_

IIM Membership No.: \_\_\_\_\_

Cash/DD/Cheque No. : \_\_\_\_\_

Signature & Seal : \_\_\_\_\_

Note: DD/Cheque drawn in favour of:

**The Indian Institute of Metals (Baroda Chapter) Vadodara**

Payable at Baroda and it should be sent

to the following Address :

**Mr. Sumit Kainthola, Convener M-9898254941**

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Rajmahal Road, Vadodara - 390001.

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