

# Training Programme On

## NON-DESTRUCTIVE TESTING

Course Code : 1303

05<sup>th</sup> – 06<sup>th</sup> August 2025

### Key Takeaways

- **Non-Destructive Testing (NDT)** refers to flaw detection in raw materials as well as in finished components as part of qualification test involved before and after production process. The defects present in raw materials and components will cause catastrophic failure of components during manufacturing as well as service. Further, NDT technique is also adopted as part of machine conditioning and monitoring activities. The four extensively adopted processes are Dye Penetration Test, Magnetic particle Test, Ultrasonic Test and Radiography testing. Knowledge on these helps to identify and select appropriate technique for Non-destructive evaluation.

### CONTACT US



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**CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE**  
Tumkur Road, Bengaluru – 560 022

## About AEAMT

Centre for Skill Development, is a flagship initiative of CMTI, aims to enhance the knowledge and skills of practicing engineers, create job ready engineers to the Indian Manufacturing sector and to bridge the gap between industry and academia.

### Focused Area / Objectives :

- Significance of performing NDT in engineering applications
- Principles & applications of Dye Penetration Test (DPT)
- Principles & applications of Magnetic Particle Test (MPT)
- Principles & applications of Ultrasonic Test (UT)
- Principles & applications of Radiography Testing (RT)
- Discussion on applicable national or international standards / codes for practicing of above-mentioned NDT method

### Target Participants :

- This course is ideal for design engineers, production engineers, quality engineers and other professionals who need to work with metals and alloys in their roles.

### Programme Co-ordinotor :

**Mr. Srinivasa Rao C**, is currently working as Scientist- D at the Group for Materials And Metallurgy and having 15 years of Professional experience in the field of Uncertainty Measurement.

for information :-

<https://cmti.res.in/cmtiemployee/champuri-srinivasa-rao/>

### Programme Schedule :

It is a two-day (02 ) Non-Residential Training Programme scheduled during 29th – 30th May 2025. **Now, it has been postponed to 05<sup>th</sup> – 06<sup>th</sup> August 2025.** The Programme will be held at Central Manufacturing Technology Institute, Bengaluru.

## Participation fees :

- Rs. 7,800/- plus GST @ 18%\*\*\*, per participant. This includes Course Kit, veg lunch, midsession tea
- Course Fee can be paid through NEFT / RTGS / Demand Draft. Demand Draft to be drawn in favor of "Central Manufacturing Technology Institute", payable at Bengaluru and should reach CMTI one week before the actual date of commencement of the course

## Beneficiary for RTGS/NEFT

- a) Name : Central Manufacturing Technology Institute
- b) GST No : 29AAATC2085K1ZJ
- c) Account No : 10521862015
- d) Bank Name & Branch : State Bank of India, Yeshwanthpur Branch
- e) IFSC Code : SBIN0003297
- f) MICR Code : 560002055

## Additional Information :

- A 10% rebate on course fee will be given to organizations nominating 3 or more participants for each programme, only if payment is made in advance, ten days before the commencement of the course
- Individuals/ Companies interested in participation are requested to fill in the enclosed Enrollment Form and submit at the earliest.
- Participants are advised to proceed for the programme only after the nominations / Programme confirmed by us (by Fax / Letter / Phone / E-Mail).
- Participants should report at CMTI on the day of commencement of the course. Participants are advised to reach Bangalore the previous day evening/ night.
- Course will be conducted from 09:00 to 17:00 hrs. Participants may plan their return journey accordingly.
- Participants will be given Certificate after the completion of the Training Programme
- Enclosed are the tentative programme contents for ready reference
- GST No. to be shared while sending your nomination / Registration (If a company is exempted from GST they have to provide GST Exemption certificate).
- Please note that Course fee once paid will not be refunded. However, change in nomination will be permitted.

**Note: \*\*\* Taxes and other levies will be charged as per the prevailing rates at the time of Billing**

## **Tentative Programme Schedule**

<b>Days</b>	<b>Topics</b>
<b>Day 01</b>	<ul style="list-style-type: none"><li>• Introduction to Non Destructive Testing</li><li>• Principle of Liquid Penetrant test (PT) &amp; Applications</li><li>• Principle of Magnetic Particle Test (MT) &amp; Applications</li><li>• Practical demonstration of PT&amp; MT</li></ul>
<b>Day 02</b>	<ul style="list-style-type: none"><li>• Principle of Ultrasonic Test (UT) &amp; Applications</li><li>• Principle of Radiographic Test (RT) &amp; Applications</li><li>• Practical Demonstration of UT &amp; RT film review at M/s Trinity NDT Peenya.</li><li>• Concluding Session</li></ul>

**For further enquiries / registration / nominations, please contact:**  
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**E-mail : [training@cmti.res.in](mailto:training@cmti.res.in)**