

eLearning Course Title: **Non-Destructive Testing(NDT)**

eLearning Course **Type: Free or Paid:** Paid

If Paid, Registration Fee (including GST):-Rs 1500/-(Rupees One Thousand Five Hundred only)

Course conducted by Group/ Regional Directorate Name:- RD, Chandigarh

Name & Designation of Course Coordinator: Mr. Rajesh Katoch, Deputy Director

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eLearning Program Start Date:24/05/2021|

eLearning Duration: 7 days

About eLearning Program (Brief One para): - **Non-Destructive Testing** refers to an array of inspection methods to evaluate and collect data about a material, system, or component without permanently altering it. The goal of NDT is to ensure that critical infrastructure is properly maintained in order to avoid catastrophic accidents.

While NDT methods are typically associated with industrial use like inspecting boiler tubes, pressure vessels, cracks, welds etc, their use in medicine are also most common. For example, ultrasound, X-ray or MRI to check on the health are considered as NDT. NDT does not necessarily require the use of special tools. Checking the outside of a pressure vessel with naked eye also falls under NDT, since data is collected without damaging pressure vessel. On the other hand, using a sophisticated tool like an ultrasonic sensor to look for defects in a pressure vessel would also be called NDT.

This ELearning covers the importance of NDT and different NDT techniques that are used in industry for inspection so that accidents & damage could be avoided.

eLearning Course Coverage (Specify Module details) :-

Module-1: Introduction to Non-Destructive Testing

Module-2: Visual Testing

Module-3: Liquid Penetrant Testing

Module-4: Magnetic Particle Testing

Module-5: Eddy Current Testing

Module-6: Ultrasonic Testing

Module-7: Radiographic Testing

Register to learn (Key Learnings' in bullet points):

- Principles of Non-Destructive Testing(NDT)
- NDT Testing for detection of different types of defects
- Selection of NDT Techniques

Register in advance for this eLearning program:

Registration Start Date:24/05/2021

Registration End Date:-Open

Thanks & Regards

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