SDLINC Non-Destructive Testing Institute

SDLINC Institute

NDT

QAQC

WELDING

AWS CWI

AUTOMOBILE QC

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An ISO 9001 & ISO 14001 Institute

SDL
INTERNATIONAL CERTIFICATION
EDUCATIONAL ACADEMY

The Symbol of Quality & Perfection

Automatic Ultrasonic Testing - AUT

Under Water Inspection - UWI

Phased Array Ultrasonic Testing - PAUT

Time of Flight Testing - TOFT

Radiographic Testing - RT

Ultrasonic Testing - UT

Magnetic Particle Testing - MPT

Liquid Penetrant Testing - LPT

Eddy Current Testing - ECT

Acoustic Emmision Testing - AET

Leak Testing - LT

Visual Testing - VT

SDLINC NDT Institute

The pioneers in NDT training ASNT Level I and Level II. We provide NDT training for the eligible candidates. Our Trainers have experience more than a decade in the field . We impart the theoretical and practical knowledge for the candidates using the most advanced training media including Visuals and Audio. We provide global authentication/certificates ASNT-LEVEL-II, as per SNT-TC-1a for candidates on successful completion of training in practical and theoretical exams.

Radiographic Testing (RT)

Radiographic Testing (RT), or industrial radiography, is a nondestructive testing (NDT) method of inspecting materials for hidden flaws by using the ability of short wavelength electromagnetic radiation to penetrate various materials. It is mostly used to find the flaw in the weld, it is done by using X ray machine to penetrate the materials and the X rays are captured on the other side using X Ray films. The beam of radiation passes through the flaw and produces a latent image in the X ray films with varying densities according to the amount of radiation reaching the other side of the material.

Application	:	Inspection of Welds, Automotive, Aerospace, Oil & Gas,Construction , etc, Maintenance
Course	:	Radiographic Testing Level I, Radiographic Testing Level II
Syllabus	:	As per ASNT
Training Hours	:	80 Hrs Theory & Practicals

Liquid Penetrant Testing

Also known as Dye Penetration Testing.This is a method of non destructive testing for materials that are nonporous in nature. It is based on the capillary action, where low surface tension fluid penetrates into clean and dry surface breaking the discontinuities.

The penetrating liquid is applied to the surface of the material and after 1Hour and 30 minutes the excess liquid is wiped and a developer is applied to draw the penetrant out of defects. Then a white light or UV is used to perform the inspection which shows the location, shape, and size of the flaw.

Application	:	Cracks, Heat affect zone cracks, Poor welding, Stress corrosion, Intergranular corrosion
Course	:	Liquid Penetrant Testing Level I, Liquid Penetrant Testing Level II
Syllabus	:	As per ASNT
Training Hours	:	30 Hrs Theory & Practicals

Magnetic Particle Testing

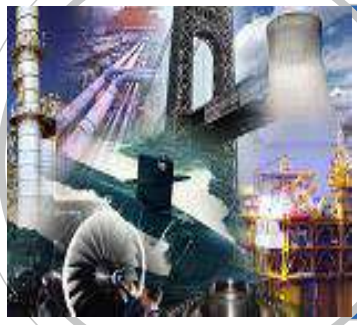
It is a process in non destructive testing for detecting the surface and sub surface defects in ferrous materials. It is done by applying an external magnetic field or electric current through the ferrous materials. The defect in the ferrous materials is found using the principle of magnetic flux which will leave the area where the flaw is located. The magnetic flux will leave the area where there is flaw. The common method of magnetic particle inspection uses finely powdered ferric or ferric oxide particles in a appropriate liquid, most often kerosene. The particles are often colored or coated with fluorescent dyes that can be made visible with UV light.

Application : Ferric Materials, Forging, Casting, Gears, etc
Course : Magnetic Particle Testing Level I, Magnetic Particle Testing Level II
Syllabus : As per ASNT
Training Hours : 30 Hrs Theory & Practicals

Ultrasonic Testing

In ultrasonic testing is a non destructive testing where, very short ultrasonic pulse-waves with frequencies ranging from 0.1-15 MHz and occasionally up to 50 MHz are launched into materials to detect internal flaws. The technique is also commonly used to determine the thickness of the testing objects, for example, to monitor corrosion inside pipes.This test is performed on ferric or other metals or alloys but also can be used on concrete or wood structures.

Application : Surface Cracks, Bubbles in the Surface, Poor welding, Corroded Surfaces
Course : Visual Testing Level I, Visual Testing Level II
Syllabus : As per ASNT
Training Hours : 80 Hrs Theory & Practicals



Placement Cell

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Why Join Us?

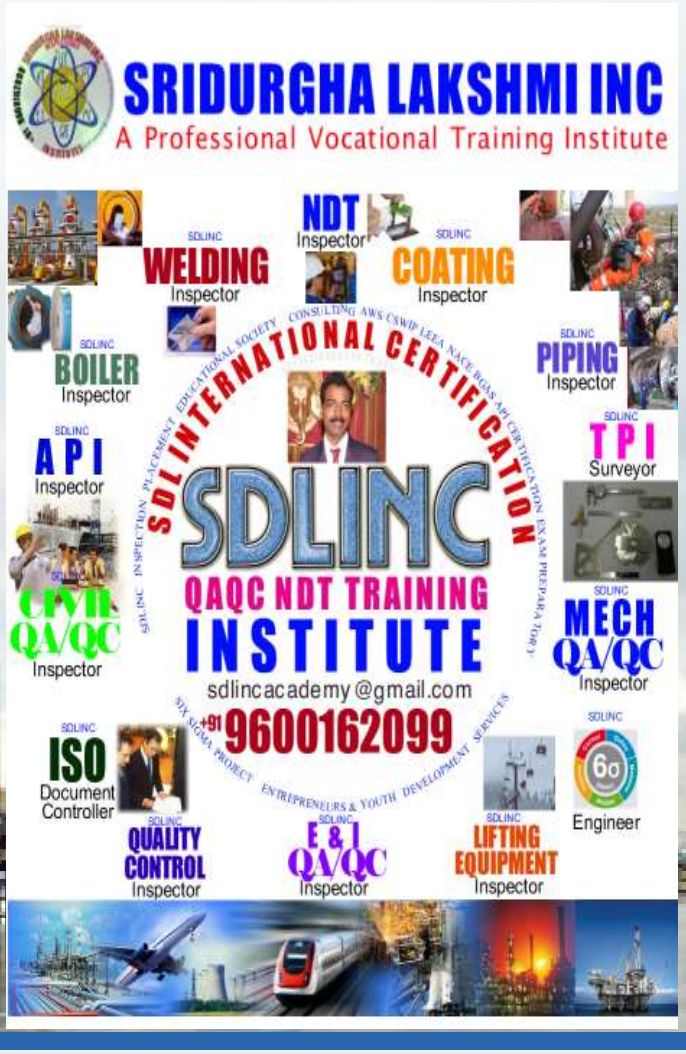
- Training using Visuals and Audio
- Practicals in Realtime
- Every Individual Student is monitored
- Motivation and Success Training
- Communication Skills Training
- Assistance in Career Development
- Accommodation Will be arranged for Outstation Candidates

Eligibility

- Diploma in Mechanical Engineering
- B.E. Mechanical
- B.Tech. Mechanical &
- An Ambition to Achieve in Life & Career

Opportunities

- Oil & Natural Gas
- Power Plants
- Ship Building
- Aeronautical
- Automobile



SDLINC NDT Institute, **An ISO 9001 & ISO 14001 Certified Group**

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