

www.inplanttraining.in Email : inplantguidance@gmail.com

cell : 94431 22110 / ph 0431 4544308

N D T (Non- Destructive Testing) - Details

What is ? Radiographic Testing [RT]

A Non destructive testing method making use of highly penetrating ionizing radiation (X ray or Gamma Ray) to produce radiographs of test object and evaluated as per applicable standards.

What is Ultrasonic Testing [UT]

Ultrasonic testing make use of Ultrasound (>20 KHZ) to evaluate integrity of the object. Ultrasound being produced by Piezo Electric Crystal and transmitted to the material under test and reflecting signals are evaluated.

What is Magnetic Particle Testing [MT]

The part magnetized. Finely milled Iron particles coated with a dye pigment are then applied to the specimen, These particles are attracted to magnetic flux leakage fields and will cluster to form an indication.

What is Penetrate Testing [PT]

A liquid with high surface wetting characteristics is applied and allowed to penetrate to the surface breaking defects. The excess liquid is removed and a developer is applied to develop indication.

What is Visual and Optical Testing [VT]

Most basic common inspection method which use fiberscope, boroscopes, portable video, robotic crawlers, magnifying glasses and mirrors for inspection.

www.inplanttraining.in Email : inplantguidance@gmail.com

cell : 94431 22110 / ph 0431 4544308

NDT (Non- Destructive Testing) - Details

To Whom & What for NDT

Non Destructive Testing is a specialized branch of Engineering science, which uses Ionizing Radiation, Ultrasonic sound waves, Magnetic Flux etc. to test the integrity of casting, forging, welding etc without impairing its usefulness. with the emerging new technologies and globalization in India, NDT has become an integral part of all design, construction, fabrication, installation and maintenance.

A fresh Mechanical / Production / Automobile Engineering graduates always needs a specialization before he gets his job assignment as specialist in a particular department .

Design Engineer requires Expertise in CAD

Production Engineer requires Expertise in CNC

QA/QC Engineer requires Expertise in NDT

For years, NDT for Engineers had been a subject of Experience only.

Opportunities : In recent years, Training and certification in Non-Destructive Testing has produced best specialized QA/QC engineers, Personnel, thus trained, have got opportunities to work in GULF, Far East, South East and Western Countries.

Venue : Located **SIDCO** industrial Estate Near by **BHEL, Trichy** and Well connected to road and communications. **Excellent office & Working Environment campus**