



COURSE TITLE : **INTRODUCTION TO NDT**
SPONSORING DEPARTMENT : **NON DESTRUCTIVE TESTING (NDT) TRAINING CENTER**

COURSE DESCRIPTION:

What is NDT, history & development of testing methods, limitation & success of NDT, types of NDT certification, Destructive & Nondestructive methods, manufacturing processes and expected types of defects.

LEARNING OBJECTIVES:

- The course is preliminarily indented to give an idea about Non Destructive Testing and the various testing methods.
- This course will compare the destructive and non destructive methods. The basics of metallurgy and modes of fabrication processes will be discussed.
- The discontinuities arising from different processing like casting, forging, rolling, welding...etc will be discussed.
- The role of an NDT Inspector, the different Level's of certification and governing certification document of SNT-TC-1A will be discussed.
- Demonstration of all conventional methods: PT, MT, UT, RT, ET & VT.

COURSE OUTLINE:

- Review & Discussions.
- Mock Up Tests, Home Works, and Examinations.
- A final test will be conducted to assess & evaluate the performance of the participant.

WHO SHOULD ATTEND THIS COURSE:

- Should be High School graduate of science branch (minimum recommended level of education).
- Should have industrial work experience (inspection, NDT, maintenance...).

METHODOLOGY (THEORY/LAB. OR BOTH):

Theory

MEDIUM OF INSTRUCTION:

English (course materials and visual aid packages are in English).

COURSE DURATION: 1 week

HOURS PER DAY: 7 hours

TOTAL HOURS: 35 hours