

DEPARTMENT OF MECHANICAL ENGINEERING

A Report on Interdepartmental workshop on “A Two Day Hands-On workshop of NDT & its Applications in Mechanical Industries” in association with FUTURE NDT, VIJAYAWADA and organized by Students of Mechanical Engineering

8th & 9th February 2017

INAUGURATION:



Gathering of dignitaries onto the dais and prayer by Ms.Bhavani, Ms.Parvin and Ms.Mounika

The interdepartmental workshop inaugurated with prayer song by the dignitaries, firstly the chief guest, **Sri G. Vijay Kumar, Managing Partner to Future NDT, Vijayawada**, followed by **Sri Revanth garu and Sri Mohammad garu, Future NDT Technical Team Members, Vijayawada**, followed by **Dr. Dola Sanjay S, Principal, Ramachandra college of Engineering**, followed by **K P V S R Vinay Kumar, Assistant Professor in Department of Mechanical Engineering & Coordinator of the workshop**, followed by **Dr.Bh.V Prasad, Dean of MBA and Sri M.Patcha Khan, Head of the Mechanical Engineering Department & Convener of the workshop.**

The principal Dr.S.Dola Sanjay delivered speech on “The importance of NDT to the Mechanical Engineers”. He congratulated the Students of Mechanical department for organizing this workshop and welcomed the participants. The opening remark was made by Sri KPVSR Vinay Kumar, Coordinator of the workshop, and Dr.Bh.V Prasad, Dean Academics of the workshop. The initial subjective speech was delivered by **Sri G. Vijay Kumar, Managing Partner of Future NDT, Vijayawada** and followed by Hands-on Experience sessions.



Dr.Dola Sanjay.S Principal being invited to Address the participants
Participants are offered with a break for tea and snacks.

SESSION1:



Sri G. Vijay Kumar, Managing Partner of Future NDT, Vijayawada, started the session with the basics of NDT using different industrial scenario. He explained the basic procedures for Non-Destructive Testing. In this session, FUNDAMENTALS THROUGH PPT of Magnetic Particle testing and functionality was explained with the display of the equipment and feel of experimentation with the testing specimen as well as hand-on experience to students who are divided into 10 groups i.e. each group comprising of 7 members in addition to it, the other technical team members comprising of Sri Revanth and Janab Mohammad Baig explained about the basic procedure of Liquid Penetrant Test with Hand-on experience to students.

Participants are offered with a lunch break.

SESSION 2:

In this session, Magnetic Particle Testing as well as Liquid Penetrant Testing within industrial arena was explained in detail along with the continuation of practical session to the student groups



Participants are offered with a break for tea and snacks.

DAY 2

The resource person **Sri G. Vijay Kumar** and his technical team further continued the practical explanation of the remaining Non-Destructive Tests i.e. Radiography and Ultrasonic testing with hand-on experience to the student participants where the sessions were divided into two (Morning and Afternoon session).

SESSION 1 & SESSION 2:

The resource person **Sri G. Vijay Kumar** started the session with introduction of Radiography test and Ultrasonic test. This session was further continued with the practical explanation of the corresponding Radiography test and Ultrasonic test.



Participants are offered with a break for tea and snacks.

Sri G Vijay Kumar, Managing Partner of Future NDT AND HIS TECHNICAL TEAM continued the session with hands on practice.

Participants are offered with a lunch break in between the sessions.



Address by Resource Person

The valedictory function started with congratulating the organizing committee and the participants for making the workshop a grand success to the participants in addition to certificate distribution by chief guest **Sri G. Vijay Kumar, Managing Partner of FUTURE NDT, VIJAYAWADA.**



Co-Ordinator

Convener

Principal

(KPVSR VINAY KUMAR)

(M. PACHA KHAN)

(Dr.DOLA SANJAY.S)