LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)
L.B.Reddy Nagar, Mylavaram – 521 230, Krishna Dt.,Andhra Pradesh, INDIA
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi
NBA and NAAC Accredited, Certified by ISO 9001:2015, http://www.lbrce.ac.in
DEPARTMENT OF MECHANICAL ENGINEERING

A.Y:2015-16

Event	:**Guest Lecture**
Title of Event	:Non Destructive Testing (NDT)
Date of the Event Organized	:09-09-2015
Resource Person	:**B. Srinivas, Mechanical Engineer**
Venue	:**LBRCE, Mylavaram**
No. of Participants	: Faculty:16
	Students:123

Report on Event:

Mr. B. Srinivas delivered a guest lecture on 09-09-2015 on Non Destructive Testingto the students of II, III and IV yr students of Mechanical Engineering.

The guest lecture briefed about the general information and basic description of NDT, the most common test methods and techniques used when performing NDT. As such it is not highly detailed or all encompassing, and for more comprehensive information the students are advised to go through ASNT NDT Handbooks or the ASNT Personnel Training Publications (PTP) Classroom Training Series, all of which are available from web sources. Also, standards covering these test methods are referred on the "Codes and Standards Bodies" page under the NDT Resources Center tab.

He briefed about the Non-destructive testing (NDT) is the process of inspecting, testing, or evaluating materials, components or assemblies for discontinuities, or differences in characteristics without destroying the serviceability of the part or system. In other words, when the inspection or test is completed the part can still be used.

The guest lecture goes on briefing about Acoustic Emission Testing (AE), Electromagnetic Testing (ET), Guided Wave Testing (GW), Ground Penetrating Radar (GPR), Laser Testing Methods (LM), Leak Testing (LT), Magnetic Flux Leakage (MFL), Microwave Testing, Liquid Penetrant Testing (PT), Magnetic Particle Testing (MT), Neutron Radiographic Testing (NR), Radiographic Testing (RT), Thermal/Infrared Testing (IR), Ultrasonic Testing (UT), Vibration Analysis (VA) and Visual Testing (VT).

The practical tests are conducted on different materials in Mechanics of Solids Lab to understand various NDTs.


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Resource Person
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