



## **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

**A+, Accredited by NAAC & NBA (ECE & CSE)**

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

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# **DEPARTMENT OF MECHANICAL ENGINEERING**

**TALK ON RELIABILITY OF NONDESTRUCTIVE TESTING**



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### **Department of Mechanical Engineering**

To

Date 01/12/22

IQAC Chairman

AIET, Mijar

Respected Sir

**Sub: Seeking Permission to conduct a technical talk on**  
**06/12/2022**

We are happy to inform you that Department of Mechanical Engineering technical forum is conducting a technical talk on 06/12/22.

Title of The Talk: **Reliability of Non Destructive testing**

The details are mentioned below, kindly request you do the needful.

#### **Resource person details**

Name: **Sri. Ganesh Thahashildar**

Designation: **Quality Manager**

Organization/Company/details: **V&G testing laboratories**

Venue: **CAMD lab**

Date/month/year: 06/12/2022

**PRINCIPAL**

Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K.

**HOD**  
**H. O. D.**

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



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### DEPARTMENT OF MECHANICAL ENGINEERING

aiet/Mech/AY2022-23/003

Date: 06/12/2022

### CIRCULAR

It is hereby informed to all that Department of Mechanical Engineering, is organising a Technical talk on "Reliability of Non Destructive testing" is arranged on 06/12/22.

Venue: CAMD Lab

Talk By: Sri. Ganesh Thahashildar,

Quality Manager ,V&G testing laboratories

It is mandatory for all Students to attend the technical talk

  
HOD  
H.O.D.

Dept. of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225  
Copy to

  
Principal

Alva's Institute of Engg. & Technology  
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Principal table/Deans/HODs/AO/Office/---

## “A TALK ON RELIABILITY OF NONDESTRUCTIVE TESTING”



A technical talk was organized by the department of mechanical Engineering on 06/12/22 about Reliability of NDT

Sri. Ganesh Thahashildar, Quality manager, V & G testing Laboratories, Pvt. Ltd. Has briefed the students about the Reliability of NDT



Non-destructive testing (NDT) is a wide group of analysis techniques used in science and industry to evaluate the properties of a material, component or system without causing damage. The terms Nondestructive examination (NDE), Nondestructive inspection (NDI), and Nondestructive evaluation (NDE) are also commonly used to describe this technology. Because NDT does not permanently alter the article being inspected, it is a highly-valuable technique that can save both money and time in product evaluation, troubleshooting, and research.

He demonstrated that Non-destructive Testing is one part of the function of Quality Control and is Complementary to other long established methods. By definition non-destructive testing is the testing of materials, for surface or internal flaws or metallurgical condition, without interfering in any way with the integrity of the material or its suitability for service.

The technique can be applied on a sampling basis for individual investigation or may be used for 100% checking of material in a production quality control system. Whilst being a high technology concept, evolution of the equipment has made it robust enough for application in any industrial environment at any stage of manufacture - from steel making to site inspection of components already in service.

In his talk while emphasizing the skill aspect he informs the audience that A certain degree of skill is required to apply the techniques properly in order to obtain the maximum amount of information concerning the product, with consequent feed back to the production facility. Non-destructive Testing is not just a method for rejecting substandard material; it is also an assurance that the supposedly good is good. The technique uses a variety of principles; there is no single method around which a black box may be built to satisfy all requirements in all circumstances. What follows is a brief description of the methods most commonly used in industry, together with details of typical applications, functions and advantages

After the talk the interaction section was held lot of students asked the questions regarding the topic. The talk was concluded by giving the vote of thanks and Christon pinto student of mechanical engineering. 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students were benefited by this talk.



## TECHNICAL TALK ON "RELIABILITY OF NDT" Dept. of Mechanical Engineering

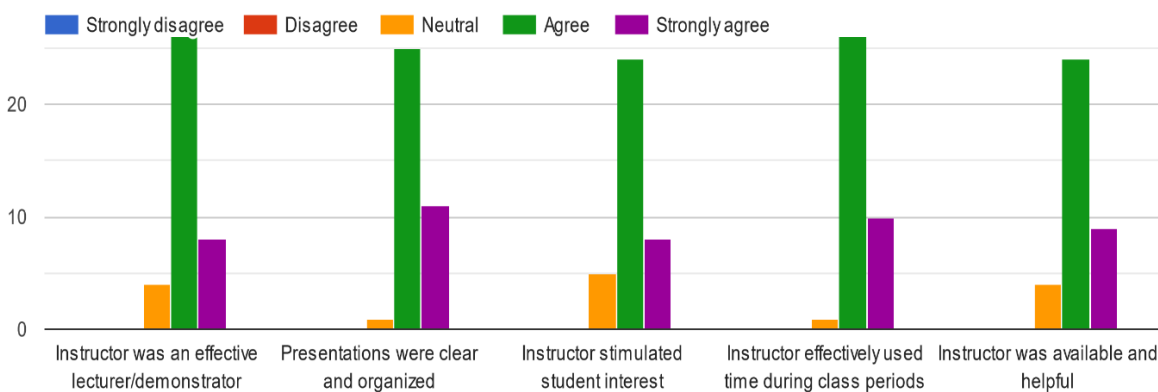
Please submit feedback regarding the course you have just completed, including feedback on course structure, content, and instructor.



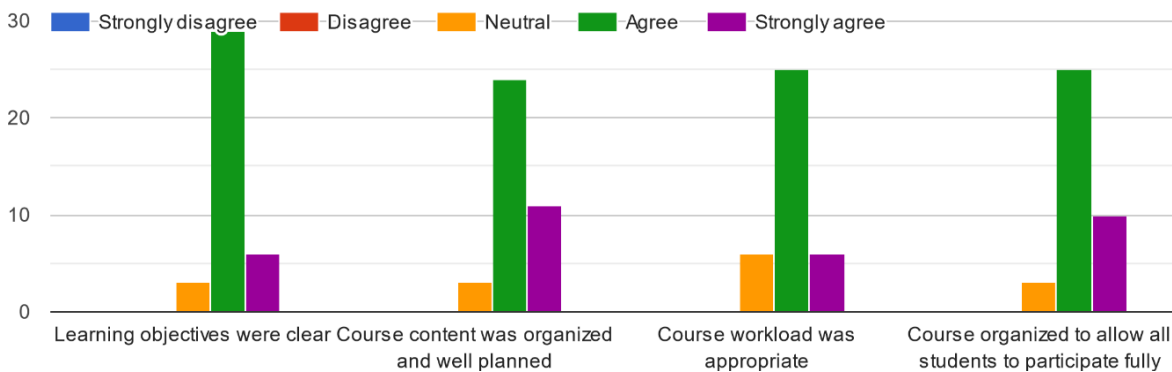

### Contribution to learning



### Skill and responsiveness of the instructor



## Course content

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