



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
And Affiliated to University of Mumbai

Department of Mechanical Engineering

Topic Name:	Non-Destructive Testing Immersive Course
Name of the Guest Speaker:	Faculty, Department of Mechanical Engineering
Designation:	Assistant Professor
Organization/Institution:	Viva Institute of Technology
Date:	July 5th to July 9th, 2020

Programme Summary/Details:

The Department of Mechanical Engineering at VIVA Institute of Technology conducted an intensive bridge course on Introduction to Non-Destructive Testing (NDT) from July 5th to July 9th, 2020. This course aimed to provide students with a comprehensive understanding of various NDT techniques used in engineering industries.

During the course, students were introduced to a range of NDT methods, including visual inspection, liquid penetrant testing, magnetic particle testing, ultrasonic testing, and radiographic testing. They gained insights into the principles, applications, and limitations of each technique.

Hands-on training was a crucial component of the course, allowing students to practice NDT techniques. They performed tasks such as preparing test specimens, applying testing methods, and interpreting test results. Safety protocols and ethical considerations were emphasized throughout.

The course objectives included developing a foundational knowledge of NDT principles, understanding the selection criteria for appropriate techniques, interpreting test results accurately, and documenting findings professionally.

By the conclusion of the course, students had acquired a solid understanding of NDT techniques and their applications. They developed skills in selecting the right technique for specific scenarios, accurately interpreting results, and adhering to safety guidelines.

The Introduction to NDT bridge course provided students with valuable practical skills and theoretical knowledge in the field of non-destructive testing. The course equipped them to contribute effectively to industries where NDT plays a critical role in ensuring the integrity and reliability of engineering components and structures.