



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI, DTE, GOVT. OF MAHARASHTRA AND AFFILIATED TO THE
UNIVERSITY OF MUMBAI

At. Shirgaon, Post Virar, Tal. Vasai, Dist. Palghar - 401305 Tel: 7770002544 Website: www.viva-technology.org

Department of Mechanical Engineering

Topic Name:	INTRODUCTION TO NON –DESTRUCTIVE TESTING
Name of the Guest Speaker:	Mr. Devesh Pimpale
Designation:	Owner of National Inspection & ASNT Level-II Inspector
Organization/Institution:	National Inspection
Date:	11/04/23
Time:	1.30-3.30 pm

Programme Summary/Details:

The lecture delved into a wide array of non-destructive techniques used across industries, such as ultrasonic testing (UT), radiographic testing (RT), magnetic particle testing (MPT), liquid penetrant testing (LPT), eddy current testing (ECT), and visual inspection (VI). The students received valuable insights into the working principles, applications, advantages, and limitations of each technique, enabling them to make informed decisions while choosing appropriate NDT methods for specific scenarios.

The guest speaker further discussed case studies and real-world examples where non-destructive techniques have been instrumental in preventing catastrophic failures, ensuring product reliability, and ensuring compliance with safety standards. This practical exposure allowed students to appreciate the significance of NDT in engineering projects, from construction and manufacturing to aerospace and automotive sectors.

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