



Late Shri. Vishnu Waman Thakur Charitable Trust's

## VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra, Affiliated to University of Mumbai  
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### Department of Mechanical Engineering

<b>Topic Name:</b>	Bridge Course on Introduction to Radiography Non-Destructive Testing
<b>Name of the Guest Speaker:</b>	Faculty, Department of Mechanical Engineering
<b>Designation:</b>	Assistant Professor
<b>Organization/Institution:</b>	Viva Institute of Technology
<b>Date:</b>	January 1st to January 5th, 2019

### Programme Summary/Details:

From January 1st to January 5th, 2019, VIVA Institute of Technology's Department of Mechanical Engineering conducted a bridge course on Introduction to Radiography Non-Destructive Testing (RT) Method. The course was designed to familiarize students with the principles and applications of radiographic testing in non-destructive testing (NDT) for various industries.

The course syllabus covered essential topics related to radiography testing methodology. Students were introduced to the basic principles of radiation, the interaction of radiation with matter, and the fundamentals of radiographic imaging. They gained insights into the different types of radiographic techniques, including X-ray and gamma ray radiography, as well as the equipment used for radiographic testing. Throughout the course, students actively engaged in practical sessions and hands-on training to develop skills in conducting radiographic inspections. They learned about radiation safety, film handling and processing, image interpretation, and defect detection. The course emphasized the importance of following proper procedures, maintaining safety standards, and ensuring accurate interpretation of radiographic images. By the end of the course, students developed a solid understanding of radiographic testing principles and acquired practical skills in conducting radiographic inspections. They gained proficiency in interpreting radiographic images, identifying material defects, and ensuring compliance with radiation safety protocols. In conclusion, the bridge course on Introduction to Radiography Non-Destructive Testing (RT) Method provided students with a comprehensive introduction to radiographic testing. The course equipped them with the necessary knowledge and practical skills to utilize radiographic techniques effectively, contributing to quality assurance and reliability in various industries reliant on non-destructive testing.