

**DEPARTMENT OF MECHANICAL ENGINEERING
RV INSTITUTE OF TECHNOLOGY AND MANAGEMENT
BENGALURU - 560 076**

Industry Visit to Trinity NDT Engineers

The Department of Mechanical Engineering, RV Institute of Technology and Management, Bengaluru, organized a industry visit to **Trinity NDT Engineers, Peenya, Bengaluru** on 3rd May 2023 from 09:30 AM to 01:30 PM for third and sixth semester Students of Mechanical Department, RVITM, Bengaluru.

Contact Details :

Name: Mr. Ravi Kumar Thammana

Co Founder

Trinity NDT Engineers,

Aspire', #491, Site No.12, 14th Cross,

4th Phase, Peenya Industrial Area,

Bangalore – 560 058, India

Landmark: Sub-Registrar Office,

14 Cross, Peenya Indl Area

Details of the organizing team:

Coordinator-1: Dr. Durga Prasad C, Assistant Professor, Dept of ME, RVITM

Coordinator-2: Dr. Harish H, Assistant Professor, Dept of ME, RVITM

Technical Assistant Mr. Kiran Kumar R and Mr. Prajwal B M, Dept of ME, RVITM

About the Trinity NDT Engineers:

Trinity NDT is India's premier NDT testing services company. Nondestructive Testing labs at Bangalore in India are NABL accredited. Over 1500+ customers. NADCAP Aerospace center. Awarded 'Economic Times, India's 10th best performing MSME2022'

Details of the Industry Visit:

On 03/05/2023, a group of 30 students from 4th and 6th sem Mechanical Engineering department of RVITM visited Trinity NDT, a non-destructive testing and inspection services company located in Bangalore. The aim of the visit was to provide the students with an insight into the practical applications of non-destructive testing techniques in various industries and to showcase the advanced technology used by Trinity NDT.

Upon arrival, we were welcomed by the company's representatives who gave us an overview of the company's history, its vision, and mission. We were then taken on a tour of the facility where

we had the opportunity to observe the various testing techniques and methods used by the company. The following are some of the highlights of the visit:

Ultrasonic Testing: Trinity NDT demonstrated how ultrasonic testing is used to detect and measure the thickness of materials, identify flaws or defects in metal components, and evaluate welds. The company showcased its advanced ultrasonic testing equipment and demonstrated how it can be used to identify flaws in complex structures.

Magnetic Particle Testing: The students were shown how magnetic particle testing is used to detect surface and near-surface defects in ferromagnetic materials. The company demonstrated its advanced magnetic particle testing equipment and how it can be used to detect cracks, porosity, and other defects in metal components.

Liquid Penetrant Testing: Trinity NDT demonstrated how liquid penetrant testing is used to detect surface cracks, porosity, and other defects in non-porous materials. The students were shown how the testing process works and how it can be used to identify defects that are not visible to the naked eye.

Radiographic Testing: The company demonstrated how radiographic testing is used to detect internal defects in materials. The students were shown how the testing process works and how it can be used to identify internal cracks, voids, and other defects.

Overall, the visit was a great learning experience for the students. They gained practical knowledge about non-destructive testing techniques and how they are used in various industries. The visit also gave them insight into the advanced technology used by Trinity NDT and the importance of non-destructive testing in ensuring the safety and quality of products. We would like to thank Trinity NDT for providing us with the opportunity to visit their facility and for their hospitality during the visit.

The HR manager interacted with the students and explain the recruitment process and criteria for working at Trinity NDT. He motivated students to learn all the engineering subjects and explain importance of it.



Industrial Visit Photos