



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
At- Shirgaon, Post-Virar (E.), Tal-Vasai, Dist-Palghar – 401 305.

Tel.: 777 000 2544 • Website : www.viva-technology.org

E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Department of Mechanical Engineering

Topic Name:	Piping Industry
Name of the Guest Speaker:	Mr. Parag Nikam
Designation:	Asst. Professor
Organization/Institution:	SJCEM Palghar
Date:	25/04/2021
Time:	10.00 Onwards

Programme Summary/Details:

The guest lecture on the topic of the piping industry in mechanical engineering provided valuable insights into the critical role played by piping systems in various sectors. The lecture covered key aspects such as the importance of piping design, materials used, and the challenges faced in the industry.

The guest speaker emphasized the significance of efficient piping design in ensuring safe and reliable fluid transportation. They highlighted the importance of considering factors such as fluid properties, pressure and temperature requirements, and system maintenance during the design phase. Additionally, the lecture discussed the use of advanced software and modeling techniques to optimize piping layouts and minimize energy losses.

The guest speaker also shed light on the diverse range of materials utilized in the piping industry. They explained the selection criteria for materials based on factors such as fluid compatibility, temperature resistance, and corrosion resistance. The lecture stressed the need for regular inspection and maintenance to prevent leaks, failures, and costly downtime.

Furthermore, the lecture delved into the challenges faced by the piping industry, including complex system integration, stringent regulatory requirements, and environmental considerations.

Photos:

2. Codes used in Pressure Vessel Design
3. Pressure Vessel Overview
4. Various parts of Pressure vessel
5. Literature Survey
6. Abstract
7. Aim and Objective of the Project?
8. Pressure vessel with Limpet
9. Methodology
11. Advantages of Limpet system
12. Design inputs for PV with Limpet
12. Expected Outcome
13. References

