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**VIVA INSTITUTE OF TECHNOLOGY**

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NAAC ACREDITATE WITH GRADE B++

Department of Mechanical Engineering, VIVA Institute of Technology, Virar (E)

**Topic Name:** Faculty industrial Visit at " Paresh Engineering Industries", Virar  
**Name of the Guest Speakers:** Mr. Parag Nerurkar  
**Date:** 30th November, 2024  
**Time:** 09.30 am to 4.00 pm

### **Programme Summary/Details:**

On November 30th, 2024, Following the visit to Preciworld Mechanicals, the faculty members were taken to Paresh Engineering Industries for their second industrial tour of the day. This visit was specifically arranged to provide insights into a different, highly specialized sector of the welding world: the piping industry. The tour was expertly led by Mr. Parag Nerurkar, who guided the attendees through the facility and explained the nuances of their operations.

The core focus of this visit was to observe the welding of large-scale pipelines. This provided a powerful contrast to the sheet metal and precision assembly work seen earlier. The faculty members were able to grasp the significant differences between pipe welding and other forms of fabrication. Mr. Nerurkar highlighted how the equipment, techniques, and challenges are unique to this field. The sheer scale of the components, the necessity for perfect circumferential welds, and the critical importance of weld integrity to prevent leaks under pressure were key takeaways.

The experience was particularly enlightening as it demonstrated the practical challenges of welding in different positions and on curved surfaces, a topic often discussed in theory. The faculty members learned that pipe welding demands not only a high level of skill but also a deep understanding of metallurgy and non-destructive testing methods to ensure safety and reliability. This visit successfully broadened the faculty members' perspective, showing them a demanding and vital application of welding that goes beyond general fabrication. It provided crucial context, solidifying their understanding of the diverse career paths and specialized skills available within the welding profession and reinforcing the importance of adapting techniques to specific industrial requirements

### **Photos:**

