



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.

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Department of Mechanical Engineering

Topic Name:	Bridge Course on ANSYS
Name of the Guest Speaker:	Faculty, Department of Mechanical Engineering
Designation:	Assistant Professor
Organization/Institution:	Viva Institute of Technology
Date:	January 1st to January 5th, 2019

Programme Summary/Details:

From January 1st to January 5th, 2019, the Department of Mechanical Engineering at VIVA Institute of Technology organized a bridge course on ANSYS (Engineering Simulation). The course aimed to provide students with a comprehensive understanding of ANSYS software and its applications in engineering analysis and simulation.

The syllabus for the course covered various modules, each focusing on different aspects of ANSYS. Students were introduced to solid modeling operations, meshing techniques, boundary conditions, solvers, and tips and tricks for efficient problem-solving. Additionally, the course explored ANSYS Workbench, offering insights into its graphical user interface and various analysis types, including static structural analysis, modal analysis, thermal analysis, and contact recognition.

Throughout the course, students actively engaged in practical exercises and hands-on training to apply ANSYS in solving engineering problems. They learned how to create solid models, perform meshing operations, apply boundary conditions, and interpret simulation results. The course emphasized the importance of accuracy, precision, and effective utilization of ANSYS for engineering analysis. By the end of the course, students developed proficiency in utilizing ANSYS software for engineering analysis and simulation. They acquired the necessary skills to apply analysis techniques, select appropriate meshing methods, interpret simulation outcomes, and efficiently solve real-world engineering problems using ANSYS. Overall, the bridge course on ANSYS at VIVA Institute of Technology equipped students with a solid foundation in engineering simulation. It provided them with the necessary knowledge and practical skills to leverage ANSYS effectively, enhancing their problem-solving capabilities and preparing them for future endeavors in the field of mechanical engineering.



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