



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
And Affiliated to University of Mumbai

Department of Mechanical Engineering

Topic Name:	ANSYS (Engineering Simulation) Bridge Course
Name of the Guest Speaker:	Faculty, Department of Mechanical Engineering
Designation:	Assistant Professor
Organization/Institution:	Viva Institute of Technology
Date:	January 3rd to January 7th, 2022

Programme Summary/Details:

The Department of Mechanical Engineering at VIVA Institute of Technology organized an intensive bridge course on ANSYS (Engineering Simulation) from January 3rd to January 7th, 2022. This course aimed to provide students with a comprehensive understanding of ANSYS software and its practical applications in engineering analysis and simulation.

The course covered various modules, including solid modeling operations, meshing techniques, boundary conditions, solvers, and ANSYS Workbench. Students gained hands-on experience with ANSYS, performing tasks such as static structural analysis, modal analysis, thermal analysis, and contact recognition.

Emphasizing active learning and practical exercises, the course enabled students to apply ANSYS to solve real-world engineering problems. The focus was on interpreting simulation results accurately, deriving meaningful insights, and optimizing problem-solving approaches.

The course outcomes included applying analysis fundamentals, selecting appropriate meshing techniques, employing ANSYS for diverse engineering problems, utilizing tips and tricks for efficient problem-solving, and interpreting simulation results effectively.

By the end of the course, students developed a comprehensive skill set in ANSYS and a solid foundation in engineering analysis and simulation. They gained expertise in advanced analysis techniques, meshing methods, and result interpretation.

Overall, the ANSYS bridge course provided students with valuable insights and practical skills in engineering simulation. This knowledge will enable them to excel in their future engineering endeavors and make meaningful contributions to the field.