



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:	Advanced SolidWorks Bridge Course
Name of the Guest Speaker:	Faculty, Department of Mechanical Engineering
Designation:	Assistant Professor
Organization/Institution:	Viva Institute of Technology
Date:	June 24th to June 28th, 2019

Programme Summary/Details:

From June 24th to June 28th, 2019, VIVA Institute of Technology's Department of Mechanical Engineering organized an immersive bridge course on Advanced SolidWorks. The course catered to students from the second, third, and final year, aiming to equip them with advanced skills and knowledge in utilizing SolidWorks, a prominent computer-aided design (CAD) software, for complex engineering applications.

The comprehensive course curriculum covered a wide range of advanced modules in SolidWorks. Students explored intricate part modeling techniques, assembly design, surface modeling, sheet metal design, and simulation using SolidWorks Simulation. The curriculum was carefully designed to address the varying skill levels and academic requirements of students across different years.

Hands-on learning played a crucial role in the course, allowing students to actively engage in practical exercises and projects. This practical approach enabled them to develop proficiency in using SolidWorks for creating complex 3D models, analyzing assemblies, and simulating real-world conditions. The emphasis was on fostering accuracy, efficiency, and good design practices to ensure students' ability to deliver high-quality engineering solutions. By the end of the course, students from second, third, and final year had acquired a strong foundation in utilizing Advanced SolidWorks for engineering design and analysis. They developed the skills necessary to tackle complex design challenges, optimize designs for manufacturing, and deliver innovative solutions. The bridge course on Advanced SolidWorks provided second, third, and final year students with an exceptional opportunity to enhance their skills and knowledge in utilizing this powerful CAD software. The course equipped them with the necessary expertise to excel in their academic pursuits and future careers. The newfound proficiency in SolidWorks will undoubtedly enable these students to contribute significantly to various engineering projects and meet the evolving demands of the industry.



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