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
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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 25th to June 29th, 2018

Programme Summary/Details:

During the week of June 25th to June 29th, 2018, the Department of Mechanical Engineering at VIVA Institute of Technology organized a highly beneficial bridge course on Advanced SolidWorks. The primary goal of this course was to equip students with an in-depth understanding and practical skills in utilizing SolidWorks, a renowned computer-aided design (CAD) software, for advanced engineering applications.

The course fostered an environment of active learning, where students engaged in practical exercises and projects, enabling them to apply their newly acquired knowledge. Through these activities, students honed their skills in creating intricate 3D models, performing simulations, and generating accurate engineering drawings. The emphasis on precision, efficiency, and good design practices provided students with the necessary foundation to excel in their future engineering endeavors. The bridge course aimed to achieve several key outcomes for the participating students. These outcomes included demonstrating proficiency in advanced part modeling techniques, conducting assembly design analysis, employing surface modeling tools, utilizing sheet metal design capabilities, and performing finite element analysis (FEA) using SolidWorks Simulation for structural assessment. By the end of the course, students had not only developed a strong foundation in utilizing Advanced SolidWorks but had also gained the confidence to tackle complex design challenges. The skills they acquired will undoubtedly contribute to their effectiveness in various engineering projects in the future. In summary, the Advanced SolidWorks bridge course at VIVA Institute of Technology provided an exceptional opportunity for students to delve into the advanced features and practical applications of this widely used CAD software. The course's focus on hands-on learning and real-world engineering scenarios ensured that students acquired the necessary skills and expertise to excel in the field of mechanical engineering.