CAD AND TOPOLOGY OPTIMIZATION LABORATORY DEMONSTRATION

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Imagineering Laboratory

IIT Kanpur

CONTENTS

- CAD softwares
- Demonstration on CAD

GENERAL CAD SOFTWARES

- AutoCAD
- Fusion 360
- Solidworks
- CATIA
- Inventor
- Creo Parametric
- FreeCAD
- Ansys Spaceclaim

ADDITIVE MANF. (MODULE)
.stl (SLICING)

CAD SOFTWARE FUNCTIONALITY

Feature	Solidworks	Fusion 360
Advancement	Professionals Complex Customizable Interfaces	Entirely Cloud-based For Remote Teams

Source:
https://roboticsandautomationnews.com/

Cont.

CAD SOFTWARE FUNCTIONALITY

Feature	Solidworks	Fusion 360
Final Thoughts	Robust Simulation Packages And 3D Modeling Tools	Very Intuitive Assembly Interface, Being Versatile And Friendly Enough For Different Applications

LIST OF SIMULATION SOFTWARES

- COMSOL MULTIPHYSICS
- MATLAB
- ANSYS
- Fusion 360
- Inventor
- Solidworks

Source:
https://www.mechanical360.net/

THANK YOU