

3D DESIGNING AND PRINTING WORKSHOP

DATE: 7th and 8th April 2023

FEE: ₹1500/-

PREREQUISITES: Laptop, preinstalled SolidWorks software

Workshop Curriculum

Day 1

Introduction to basics of 3D Designing in SolidWorks

Hands-on

- Part modelling
- Sketch entities and tools
- Mirror entities, offset entities
- Extrude boss/ Extrude cut features
- Revolve features
- Basic assembly of 3D Modelling

Day 2

Theory

- What is 3D printing?
- Technologies in 3D printing
- Applications of 3D printing
- Use Case discussion on 3D printing

Hands-on

- 3D Slicing Software training
- Hands-on experience on FDM 3D printers
- Demo on Polyjet 3D printer, SLA based 3D printers

CSWA Additive Manufacturing Exam