

3D Printer Course Content

DAY-1

Session 1: introduction to 3D printers

- General introduction
- Basic and technologies in 3D printers
- History of 3D Printing
- How does a 3D-printer work?
- What are the different types of printers and materials you can use?
- Who uses 3D Printing and what for?
- What can you print with a 3D-printer?

Session 2 : Design for 3D Printing

- Hands-on design and print process
- Basic CAD software
- File sources & formats
- Modifying existing designs
- Making your own creation

Session 3 : Initialize and set up the 3D Printer with basic settings

- Printer settings
- How to setup a 3D printer
- Troubleshooting
- Testing and calibration of 3D Printer

DAY-2:

Session 4:

- Operating a 3D Printer
- Make your own 3D design
- Evaluate the Prototype and Tips to Improve It
- A 3D print to take away
- Advanced Topics, Latest Trends, Tips and Tricks – More hands-on 3D Printing Training

Session 5 :Competition

At the end of the workshop, all participants will get a Certificate of Participation and the best designs will be given a merit certificate .