

3D PRINTING & LASER CUTTING

Brief Introduction: Students will focus on improving the digital maturity of core manufacturing functions across product and asset lifecycle management, by ideating their idea into virtual world to shape it into product by fabricating it using 3D Printing and Laser Cutting. Throughout the training, the participants will experience the steps of an intense innovation process.

Audience: 1st Year B.Tech Students

Duration: - Theory and Practice :- 2 weeks
 Project :- 2 weeks

Intake(per batch) :20 Students

Maximum Capacity : 2 Batches;60 Students

Contents:

S.No.	Contents	Topics Covered	Theory (Hrs)	Practical (Hrs)
1	SOLID EDGE	CAD	1	6
		CAM	1	2
2	3D Printer/ Rapid Prototyping	3 D Scanner	1	2
		3D Printing Technology	4	0
		Makerbot	1	2
		Stratasys F370	2	9
		Ultimaker	0	1
3	3D Milling Machine	SRM 20 Roland	0	1
		CNC wood router	1	2
		LASER Cutting &Engraving	1	2
		Vinyl Plotter	0	1
4	Project			2 Weeks
Total (Hrs)			12	28 + 2 Weeks

Mentor:

- Vikram Singh Rajput
- Afsha

Venue:

- PLM C, TIFAC Core.

Course Co-ordinator

