

Course: Rapid Manufacturing

Course Code: noc20-me50

Session: 2019-20

Duration: 12 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1:

- Introduction to Rapid Manufacturing (RM)

Week 2:

- Product Design Process

Week 3:

- Design for Modularity

Week 4:

- Reverse Engineering

Week 5:

- 3D measurement: laboratory demonstration

Week 6:

- Polymerization, and Powder based RM processes

Week 7:

- Liquid based, and Sheet stacking RM processes

Week 8:

- 3D printing RM processes and laboratory demonstration

Week 9:

- Beam Deposition RM processes, and materials in RM

Week 10:

- Post-processing and costing in RM

Week 11:

- Rapid Product Development (CAD/CAE/CIM)

Week 12:

- Rapid Product Development (Software demonstration), and case studies on RM

List of students enrolled

S. No.	Name of Student
1.	Kunal Maniwal