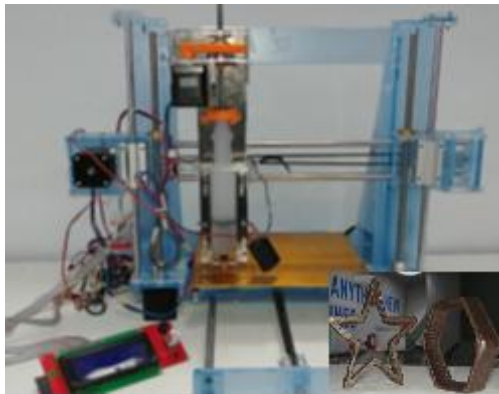
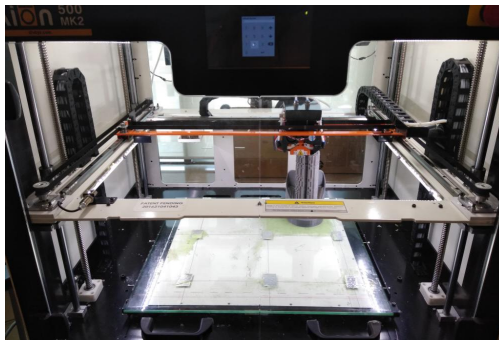




*[A team at NMIMS MPSTME helped doctors at KEM Hospital, Mumbai using 3D Printed pre-surgical models]*



*[A chocolate 3D Printer designed by students at MPSTME]*

## Who We Are

### 3D Printing at NMIMS MPSTME

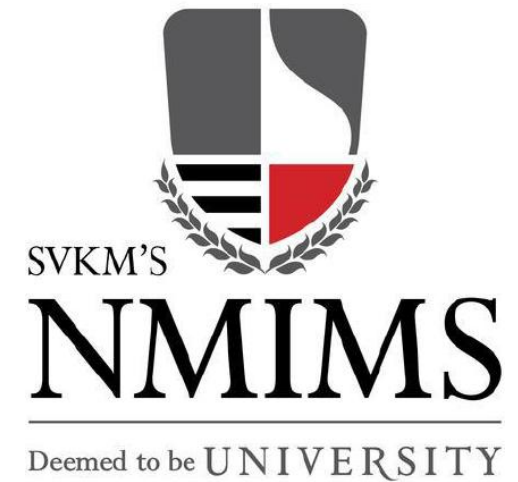
NMIMS MPSTE is one of the few institutes in India that offers programs in 3D Printing. Its state-of-art facility houses most advanced 3D Printing machines, 3D scanning set up and CAD facility with licensed software packages. It is one of the only two institutes in India to be awarded by General Electric's Additive Education Program for strengthening 3D Printing education in STEM courses.

### Program coordinators

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## Three-day workshop on 3D Printitng

*3D Printing: Learn beyond the obvious*

## What is 3D Printing?

3D printing (3DP) also known as additive manufacturing is a process of making three dimensional solid objects from a digital file. These 3D objects can be made using a variety of processes which together are called as “3D Printing”.

## Why should you learn it?

If you are a designer, engineer, architect, hobbits, or just a curious learner who is excited by technology, this program is for you. You will learn about different 3D Printing processes, their application, and the basic vocabulary required to traverse this path-breaking technology.

## What do you get?

Get expertise and hands-on experience on 3D printing at NMIMS University’s state-of-the-art facilities.

Add 3D printing to your CV: one of the most sought after and industry relevant skills.

An extended support on your future projects and ideas from professionals and experts

## Program Contents and schedule

### Day 1:

#### Morning Session:

3D Printing: Key elements and definition  
3DP verses conventional manufacturing  
Key 3DP terminologies  
AM processes and Materials  
3DP Process: Extrusion, FDM/FFF,  
3DP applications

#### Afternoon Session:

CAD Software Review  
CAD file creation for a component  
CAD to .STL format conversion  
Post processing of STL file

### Day 2:

#### Morning Session

FDM/FFF(Practice)  
Materials, Machine set up, Printing of test samples prepared by participants

#### Afternoon Session

Printing continued –Interaction with participants

### Day 3:

#### Morning Session

Photopolymerization(SLA) Demo on SLA machine  
Selective Laser Sintering

#### Afternoon Session

Training on 3D scanner Basics of scanner  
Reverse Engineering using 3D scanner

## Program Duration

Three days after college hours

25, 26 and 27 September 2019

Timings: 12 to 5 pm on all the days

## Program Fees

Rs. 3000/-

To pay the fees, please contact

Kashaan Panjwani: 9619 804 335

To participate, please scan this



## Venue

Shri Bhagubhai Mafatlal Polytechnic,  
Irla, N. R. G Marg Opposite Cooper  
Hospital, Navpada, Suvarna Nagar, Vile  
Parle, Mumbai, Maharashtra 400056