

Department of Electronics and Telecommunication Engineering

Online Intensive Training Program Report

3D Printing often called Additive Manufacturing is praised as a next industrial revolution, it has foot mark in every sector from Industries to Home and from Medical to Supply chain. Knowledge of 3D Printing can lead to become successful entrepreneur, it will help students in their higher studies and faculties in their research work. We at NMIMS, MPSTME, Shirpur campus have 3D Printer installed (FDM) and it is being used to demonstrate cutting edge technologies to our students. We took this opportunity and planned an online training program on 3D Printing technology.

A online hands on Intensive Training Program (ITP) on, “**3D Printing – The Next Industrial Revolution**”, was organized by Department of Electronics and Telecommunication Engineering, NMIMS, MPSTME, Shirpur campus. The period of the program was 11/06/2020 to 13/06/2020 and the duration was approximately 02-03 hrs./day.

The main motive behind conducting this training is to inculcate knowledge related to 3D printing technology and give hands on exposure to slicing software. We made a successful attempt to demonstrate working of 3D Printer (FDM) which is available at NMIMS, MPSTME, Shirpur campus [MH-India].

During day one introduction to 3D printing technology along with its types, applications and challenges was discussed. During day two hands on session using “KISSlicer” software was taught to participants, in which participants have done slicing operation on their own followed by the trainer’s instructions using CAD model provided by the trainer for practice purpose. The day three was very exciting day as most of the participants have never witnessed working of actual 3D Printer. Brief explanation about machine specification, its constructions and operating procedure was given to participants followed by 3D printing of teeth (dental part)

This Intensive Training Program (ITP) was free of cost for registration. Total 586 participants from India and abroad have enrolled for the training program through online mode using Google form and the certificate of Participation (E-Certificate) is awarded to 376 participants who attended training program regularly for three days.

The training session were instructed and coordinated by Mr. Parag Thote, Assistant Professor - Mechatronics under guidance of Dr. B.K. Mohanty, Associate Dean (Research) & HoD, EXTC & MXTC. Mr. Sunil Patil, Lab. Staff, Rexroth Bosch Center of Excellence in Automation assisted training for 3D printer demonstration. Through it was only possible to conduct such a workshop because of our mentor’s constant support and guidance. Vote of thanks been given mentioning, Shri Amrishbhai R. Patel (Chancellor, SVKM’s NMIMS and President, SVKM) Shri Bhupeshbhai R. Patel (Joint President, SVKM), Dr. R.S. Gaud, Director, MPTP-Shirpur, Dr. NikhleshKumar Sharma, Director Engineering Program, Mr. Rahul Dande (Chief Accountant & Administrator, SVKM’s NMIMS, Shirpur).