

July 6 2018

3D Printing - Introduction

Department : Mechanical Engineering
Type of Event : Seminar
Event Title : 3D Printing - Introduction
Date & Time : 06.07.18 – 10 am to 11.30 am
Venue : Conference Hall
Organizer : Mechanical Department
Coordinator : Mr B N Philip
Details of Participants : Final year students

Profile of the Chief Guest

Name of the Guest Speaker : Mr Subburaj
Organization : CADDAM Technologies
Designation : Manager – Technical

Event Agenda

- Welcome address by Mr B N Philip, HOD-Mech
- Introduction to 3D printing
- Demonstration of 3D printer and applications
- Vote of thanks by Mr Sabari Girish

The gathering was welcomed by Mr Philip, Head of mechanical Department. He gave valuable insights into the current applications and areas where 3D printing is used nowadays and how this seminar will be useful for the students.

Mr Subburaj and Mr Sathish Kumar both CADDAM Technologies highlighted the various aspects of the conversion of a 3D model in the software to an actual manufactured component.

Some of their points include: 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the object is created. Each of these layers can be seen as a thinly sliced horizontal cross-section of the eventual object. 3D printing is the opposite of subtractive manufacturing, which is cutting out / hollowing out a piece of metal or plastic with for instance a milling machine. 3D printing enables you to produce complex (functional) shapes using less material than traditional manufacturing methods. Also Reverse engineering is a major application 3D engineering.

A demo was conducted in a 3D printer. The students found the seminar and demo to be very useful because it gives them an understanding of the latest technologies.



