

**DON BOSCO INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**  
**IEEE-DBIT STUDENT CHAPTER**

**Report on “Industrial Visit to Imaginarium”**

**Topic:** Industrial Visit to Imaginarium

**Date & Time:** March 24, 2017, 10:30 a.m. – 2.00 p.m.

**Venue:** Imaginarium

**Audience:** 8 students from TE-EXTC, 6 students from SE-EXTC, 8 students from FE-EXTC

**Description:**

The Industrial Visit began with an introduction to 3D printing by Mr. Sumed after which we were shown a power point presentation on the same. 3D printing also known as additive manufacturing, refers to processes used to create three-dimensional object in which successive layers of material are formed under [computer](#) control to create an object. Objects can be of almost any shape or geometry and are produced using digital model data from a 3D model or another electronic data source such as an Additive Manufacturing File. 3D printing is used for prototyping and automizing. The basic technology used for 3D printing is FDM ie Fused Deposition Method.

The following topics were explained:

- SLA prototyping
- SLS prototyping
- CNC
- Polyurethane vaccum casting
- Injection moulding

- Reaction injection moulding

We were then taken to their laboratories where we were shown the various machines and their working was explained. SLA and OLP are used for the production of jewellery. Mass production is only in the field of jewellery and hearing aids. Towards the end of the visit we were shown the various 3D products manufactured by them.

**Feedback:**

1. Davis Olasa (TE EXTC)



The IV was one of the most enriching experiences I've ever had. Since my final year project is building a 3D printer, this visit gave me a lot of useful information and opened my eyes to the world of possibilities and potential the 3D printing industry has in it. The people there did a wonderful job is explaining everything and their insights helped us a lot.

2. Jesica Martis (SE EXTC)



It was an amazing experience. They explained the concept of 3D printing in a very detailed yet simple manner and all our doubts were entertained and answered. The trip not only increased my knowledge but also helped me to think of ideas for my future projects.

**Event Photographs:**





**Vote of Thanks:** Mr. Balaji Dontha (TE EXTC)

**Report Prepared by:** Ms. Rochelle Caren D'Sa (SE EXTC)

**Report Approved by:** Ms. Gejo George –IDSC- Branch Counselor