

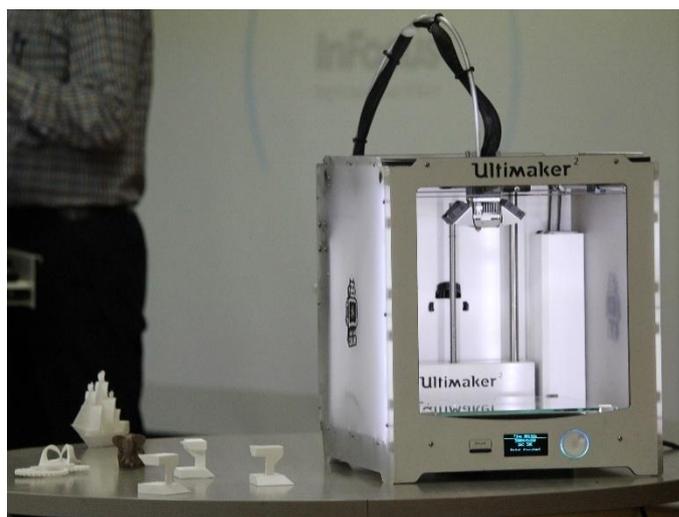
3D Printing- A Smart Start

- ALABHAYAM - The Technical Society -

September 7, 2018

3D printer demonstration

With the advent of 3D printing, there has been a tremendous breakthrough in today's food industry. It is a reality that is revolutionising food innovation, production and packaging. Right from printing edible pizzas to making Smooth foods – nutritionally fortified, easy to chew food for the elderly; it has far fetching and limitless applications in the food sector.



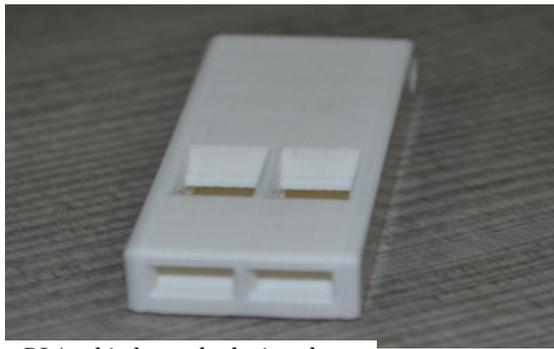
3D printer and models made using it

To introduce students to this promising technology, ALABHYAM, in its second edition of OUT OF THE BOX, organized a demonstration of 3D printers on 7th September 2018. Mr Karan Bal, Director DCI Systems along with his colleague, Mr. Prabhat Sagar hosted an hour and a half long demonstration wherein he informed the attendees about 3d printing, types of printers, types of materials used for 3d

printing, software's involved and areas of application of 3D printing.



Mr Karan Bal giving live demonstration



PLA whistle made during demo



Elephant made using 3D printer

He spoke about the time efficiency, decreased human effort and intervention, industrial scalability and cost effectiveness of this new age technology. During the demonstration, using the 3D printer, a Whistle made of Poly Lactic Acid (PLA) was printed and tested by blowing air into it. He also demonstrated the 3D printed products and assemblies using PLA like elephant, ship, cube, footwear, and butterfly. Along with over a hundred students, Dr.P.K.Nema, Dr. Anupama Panghal, Dr. Vijay Gehlawat, Er. Vijay Sharnagat and Er. S Thangalaxmi were amongst the few revered professors who graced the seminar by their presence. After an interactive session of queries were addressed by Mr. Karan, the seminar concluded with an overview of the 3D printer working and functions and a vote of thanks extended by Dr.Vinkel Kumar Arora, faculty in charge, Alabhayam.



Alabhayam and DCI systems team demonstrated the 3D printer to Hon'ble Vice

Chancellor, NIFTEM

on World Food Day. The technical society core team and Mr. Karan also met Dr. Chindi Vasudevappa, Hon'ble Vice-Chancellor, NIFTEM and expressed their willingness to develop a 3D food printer in near future.

Post this seminar, Alabhayam aims at incorporating this modern technology with various ongoing and several future projects, installation of a 3D printer in the proposed

innovation lab and a live exhibition of the same

Milihi Pincha (B-Tech 2nd Year)