
3 D Printing Workshop

PREAMBLE:

3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry.

GSFC University has three 3D printers, which students utilize for prototype development, model creation, and art and craft printing. During the inauguration, Mr. Shaurin Patel, MD & CEO of Vexma Technologies Pvt. Ltd. showcased Metal, FDM, SLS 3D printers and post processing areas. We visited his company and observed his comprehensive 3D printing setup, he has more than 10 years of experience.

The workshop aims to provide insights into 3D printing technology, its applications, the printing process, and post-printing procedures.

EVENT DETAILS:

- A. Name of event:** 3D Printing Workshop
- B. Event Type:** Workshop
- C. Organizer:** SSIP, GUITAR Council, GSFC University, Startup Gujarat Cell, GoG and Institute Innovation Council, GoI
- D. Speaker:** Mr. Shaurin S Patel, MD & CEO, Vexma Technologies Pvt. Ltd.
LinkedIn: <https://www.linkedin.com/in/vexmatech/>
Website: <https://vexmatech.com>
- E. Date:** 9th Feb, 2024
- F. Time:** 02:00 to 05:00 P.M.
- G. Participants:** Students, Faculties and Others
- H. Location:** Auditorium, School of Technology, GSFCU

I. Content of the Workshop:

- a. An overview of Different Types of 3D Printers,
- b. Materials used for 3D Printing
- c. Demonstration of 3D Printing
- d. Post-processing of 3D Printed Parts



The poster for the 'Workshop on 3D Printing' features a dark blue background with a yellow diagonal stripe. At the top left is the GSFC University logo with the tagline 'EDUCATION RE-ENVISIONED'. At the top right is the GUITAR COUNCIL logo. The main title 'WORKSHOP ON 3D PRINTING' is in large white letters. Below it, a list of topics is shown in yellow: 'An Overview of Different Types of 3D Printers', 'Materials Used for 3D Printing', 'Demonstration of 3D Printing', and 'Post-processing of 3D Printed Parts'. The date and time are listed as 'Friday, February 9, 2024' and '2:00 PM - 5:00 PM'. The location is 'Auditorium, SOT, GSFC University, Vadodara'. A circular portrait of Mr. Shaurin Patel, MD and CEO of Vexma Technologies Pvt. Ltd., is on the right. At the bottom, logos for the Institution's Innovation Council (Ministry of Education Initiative), SSIP, and StartUp (Igniting the future) are displayed.

A. Steps to register for students through DCS Web:

1. Login to DCS - <https://dcs.gsfcuniversity.ac.in/academic/index.aspx>
2. Follow the path: **On the left panel click on Activity Credit Bank -> Event Registration**
3. View the event and **Apply for the Registration**

B. Steps to register for Employees through DCS Web:

1. Login to DCS - <https://dcs.gsfcuniversity.ac.in/academic/index.aspx>
2. Follow the path: **On the left panel click on Activity Credit Bank -> Activity Management -> Event registration of Employee**
3. View the Event and **Apply for the Registration**