



Diwaliba Polytechnic, Mahuva
Report of One Day Workshop on “3D Printing”

A. Personal Details:

Name of Coordinators:	Programme coordinator: Mr. Parth Patel and Mr. Sapan Parekh; Co-coordinators: Mr. Ashish Gajera and Mr. Vijay Vaghela	Date of Workshop:	25/08/2018
Place:	Diwaliba Auditorium, Diwaliba Polytechnic, Shrimad Hall, SRIMCA, UTU.	Organized by:	Department of Mechanical and Civil Engineering Diwaliba Polytechnic
Participants:	74 students and 04 faculty members	Speakers:	Mr. Tejas Diyora and Mr. Jatin Goti, Co-founder, Make3D, Surat.

B. Purpose of Workshop:

- ❖ To increase knowledge among the participants about what is 3D printing.
- ❖ To make them aware about various 3D printing technologies viz. Fused Deposition Modelling (FDM), Digital Light Processing (DLP), Stereo lithography (SLA), Selective Laser Sintering (SLS) and Metal 3D Printer
- ❖ To introduce them with working of FDM machine and its wide range of applications

C. Activities carried out:

- Registration process (09:00 am to 9:35 am)
- Inauguration ceremony started with UTU anthem and Felicitation of the Speakers by coordinators and speech giving by our respected principal Mr. Vijay Shah. (09:40 am to 9:50 am)
- The workshop was divided into 2 sessions:
 - The first session was carried out by our speaker Mr. Tejas Diyora, Co-founder, Make3D for about 50 minutes (10:00 am to 10:50 am). In this he discussed about evolution of manufacturing technologies exploring through various technological revolutions.
 - The session was continued at Shrimad hall after lunch by Mr. Tejas for about 50 minutes (12:30 pm to 01:20 pm) in which he discussed about various 3D printing technologies and how they can revolutionize the manufacturing sector.
 - In Second Session Mr. Jatin Goti, Co-founder, Make3D, Surat demonstrated live manufacturing of a given 3D object for about 90 minutes (01:30 pm to 3:00 pm)
 - After completion of all the sessions, Feedback form filling and collection and Photo session were conducted, and finally the workshop ended with National Anthem. (3:00 pm to 03:15 pm)

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D. Outcome of Workshop/Way Forward:

- ❖ Participants came to know about traditional manufacturing process and its limitations.
- ❖ They were made aware about how 3D printing can eliminate the drawbacks of traditional manufacturing.
- ❖ They learned about various types 3D printing technics.
- ❖ They gained practical insight of various steps of prototyping by FDM from design to 3D printed part.

Some Glances of the 3D Printing Workshop:



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