

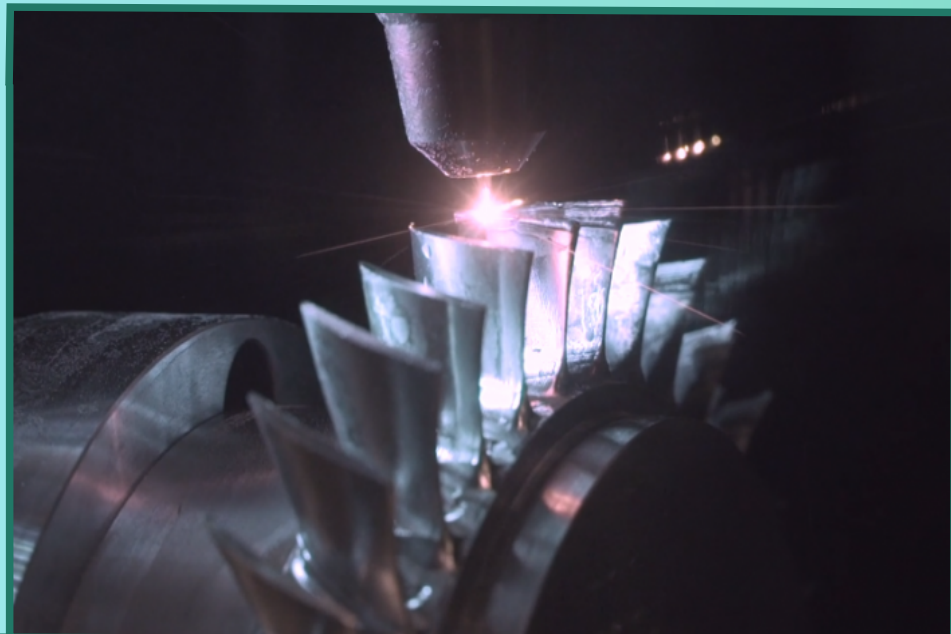
Technology  
Innovation Hub  
IITG TIDF

Technology Innovation  
and  
Development Foundation (TIDF)

5-Days  
**WORKSHOP**  
on  
**3D Printing**



Center for Intelligent Cyber  
Physical Systems  
IIT Guwahati



Organized by:

**Dr. Sajan Kapil**  
Assistant Professor  
IITG

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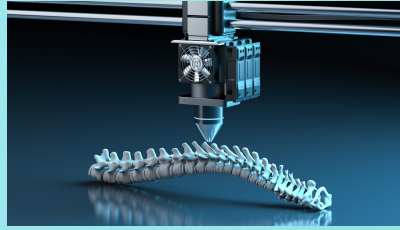
**Dr. Atul Singh Rajput**  
Faculty Fellow  
IITG TIDF

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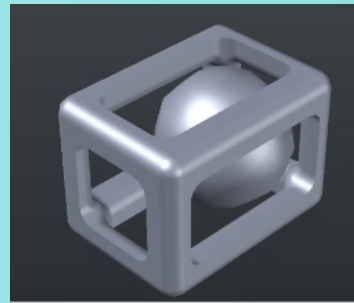
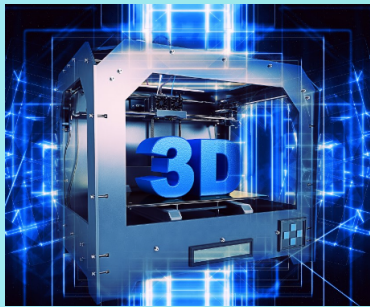
# Course Outline

## Introduction of 3D Printing

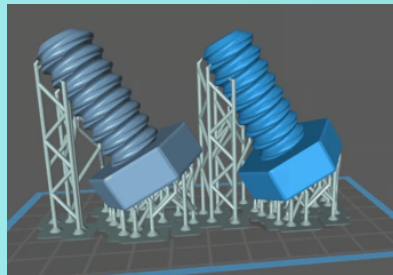


## Hands on Training on various 3D Printers

<https://forms.gle/saG8mZVJhKETPuK7A>



## CAD for 3D printing



## Software session of for STL file generation and pre processing



### Registration details:

Fee Details

Online: 1000 INR

Offline: 5000 INR\*

(\*Fees includes accomodation)

Registration Link: (valid till 29/05/2024): <https://forms.gle/saG8mZVJhKETPuK7A>

**Please make the payment via details given below:**

Bank: Canara Bank, IIT Guwahati Account Name: IIT Guwahati Technology Innovation and Development Foundation Account Number: 8652101030401 IFSC Code: CNRB0008652



# Schedule

Day	Date	10:00 – 10:30	10:30 – 11.30	11.40 – 13.00	13.00 –14:00	14:00 -15:30	15:40-17:00
1	03/06/2024 (Monday)	Inaugural Session	Introduction to Additive Manufacturing		LUNCH	CAD for Additive Manufacturing	
2	04/06/2024 (Tuesday)	Introduction to Polymer-based Additive Manufacturing (FDM)	Introduction to Polymer-based Additive Manufacturing (SLA)			Practice Session Software session for STL File generation	
3	05/06/2024 (Wednesday)	Wire-based Additive Manufacturing	Powder-based Additive Manufacturing			Practice Session and Laboratory Demonstration FDM and SLA Printers	
4	06/06/2024 (Thursday)	Micro-3D Printing	Training Session on Materialise Mimics			Demonstration and Hands-on experience with wire and powder-based AM setups WAAM and DED Powder	
5	07/06/2024 (Friday)	Post-Processing of Additively Manufactured Parts	Hybrid Additive Manufacturing			Laboratory Demonstration Micro Deposition	Valedictory Ceremony



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