

## ABOUT NIT UTTARAKHAND

National Institute of Technology Uttarakhand is located in the hilly terrain of Srinagar, Pauri Garhwal, Uttarakhand. NIT Uttarakhand was established in 2009 under the Act of Parliament of India by the Ministry of Human Resource Development and designated with the status of "Institute of National Importance". Currently, NIT Uttarakhand is functional from two campuses i.e. Parent campus at Srinagar, Pauri Garhwal and Satellite campus at MNIT Jaipur.

## INTRODUCTION

An intensive course on 3D printing and Design will be offered from 16-20 October 2019, in the Design Innovation Center, NIT Uttarakhand, ITI Campus, Srinagar, Pauri Garhwal. This is sponsored by the All India Council of Technical Education Training and Learning (ATAL) program, Jaipur. This course is designed for faculty, PhD scholars and PG students who are working in the areas of industrial applications of additive manufacturing, manufacturing of complex parts, modeling and CAD for additive manufacturing and future directions of 3D printing.

## OBJECTIVES

3D printing is a process of making product directly from 3D CAD model data, usually layer upon layer, as opposed to subtractive manufacturing, such as traditional manufacturing. Manufacturing of highly complex geometry can be produced directly via 3D printing. The participants will learn through lectures, interaction session with expert and hands-on-training on 3D modelling and printing of product.

## PATRON

**Prof. Shyam Lal Soni**

(Director, NIT Uttarakhand)

## CHAIRMAN

**Dr. Dhramendra Tripathi,**

(Dean (Research & Consultancy))

**Dr. Rakesh Kumar Mishra**

(Asso. Dean (Research & Consultancy))

## IMPORTANT DATES

- Receipt of application through email: 11 October 2019
- Information to the Selected Candidate by email: 14 October 2019

## VENUE

Design Innovation Center, National Institute of Technology Uttarakhand, Srinagar, Pauri Garhwal- 246174.

## ADDRESS FOR CORRESPONDENCE

**Dr. Pawan Kumar Rakesh,**  
Coordinator, Design Innovation  
Center, National Institute of  
Technology Uttarakhand, Srinagar,  
Pauri Garhwal- 246174

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Mob: +91 9719411569

Website: [www.nituk.ac.in](http://www.nituk.ac.in)

## FIVE DAY WORKSHOP

ON

## 3D Printing and Design

(16 - 20 October 2019)

## Sponsored by

**AICTE Training and Learning**

(ATAL) Cell,

**All India Council of Technical Education,  
New Delhi**

Course Coordinator:

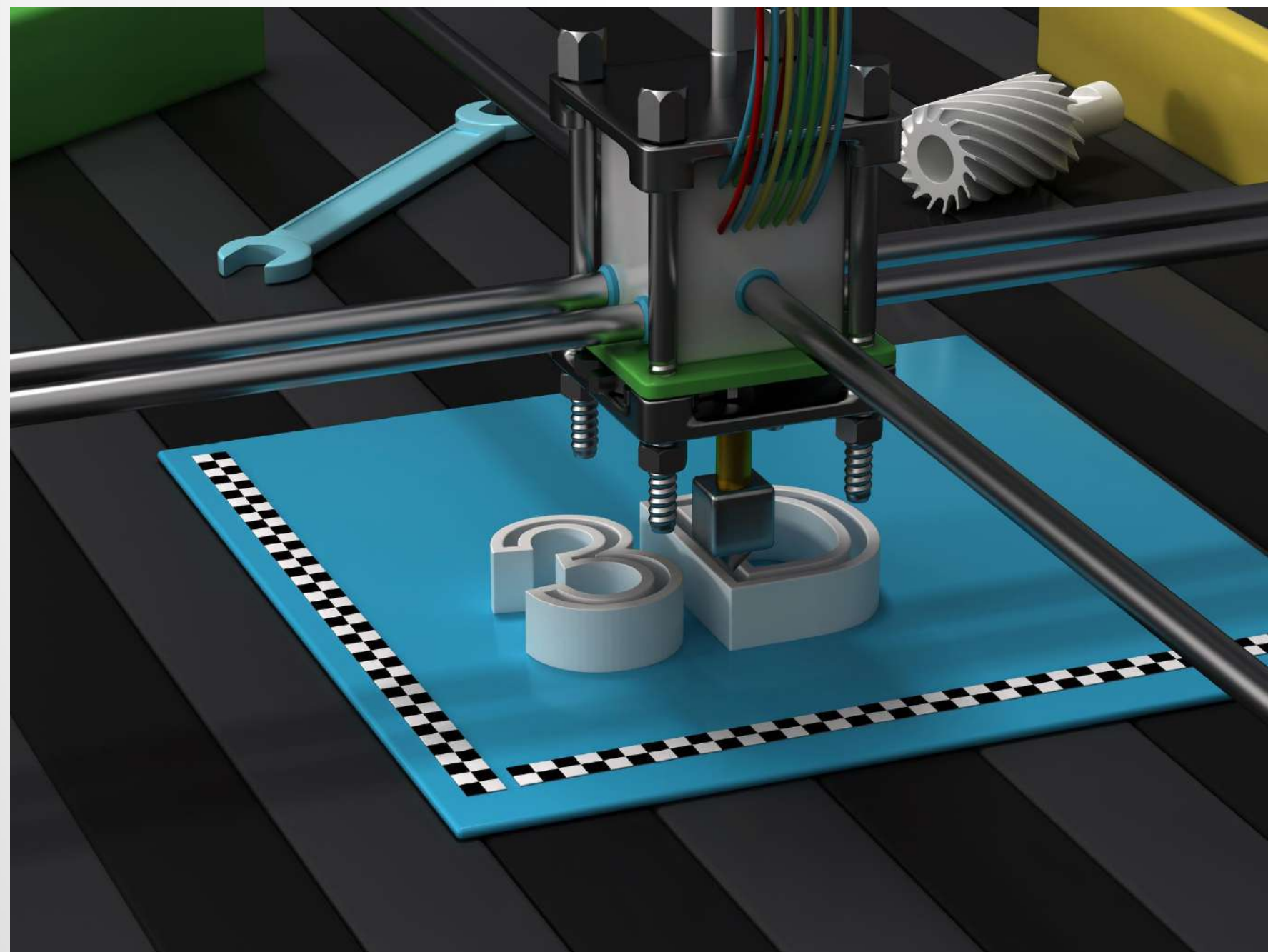
**Dr. Pawan Kumar Rakesh**



**National Institute of Technology Uttarakhand** **AICTE, New Delhi**

## COURSE CONTENT

- Need of innovation
- Introduction to engineering materials
- Introduction to additive manufacturing
- CAD for additive manufacturing
- Various additive manufacturing Processes (fused deposition modeling, Laminated object manufacturing, stereolithography, etc.)
- Modeling in additive manufacturing
- Application of additive manufacturing (Aerospace, automotive, electronics and biomedical industries)
- Hands-on-experience on Rapid Prototyping modules



## Additive Manufacturing

Source: <http://www.engineersjournal.ie/2016/07/26/additive-manufacturing-european-environmental-policy-and-irelands-ecosystem>

## REGISTRATION DETAILS

- There is no registration fee for participants.
- No TA/DA will be paid to any participant.
- Participants will have to make their own stay arrangement during the five days.
- Only tea during sessions/working lunch and registration kits will be provided to the participants.

## PROSPECTIVE PARTICIPANTS

This workshop is open for participants from academic Institution including faculty members, undergraduate, post graduate students and PhD scholars from AICTE approved technical institutions. Number of participants for the course are limited to fifty.

## HOW TO REACH NIT UTTARAKHAND

The Institute is located in Govt. Polytechnic, Srinagar (Pauri Garhwal). Srinagar is 105 km from Rishikesh on National Highway No. 58. Haridwar, a major Railway Station in Uttarakhand is 130 km from Srinagar. Nearest Airport at Jolly Grant, Dehradun is 125 km away from Srinagar. Buses and Taxis are available for Srinagar from Rishikesh/Haridwar. It takes 4 to 5 hours to reach Srinagar from Rishikesh. Srinagar is on the banks of Alaknanda River.

\* Filled registration form may be emailed to [pawanrakesh@nituk.ac.in](mailto:pawanrakesh@nituk.ac.in) or you may fill Google form link: <https://forms.gle/YYGahPrQfmReEutt7>

## REGISTRATION FORM

### FIVE-DAY WORKSHOP

ON

**3D Printing and Design**  
**(16 - 20 October 2019)**

1. Full Name .....
2. Designation .....
3. Organization .....
4. Academic Qualification .....
5. Age .....6. Gender (M/F).....
7. Mailing address .....
8. Email .....
9. Phone/Mobile .....

Place :

Signature of applicant

Recommended

Signature of Head of the Department/ Head of the organization  
(With seal)