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Coordinators

NIT Uttarakhand

Dr. Pawan Kumar Rakesh
Dr. Vikas Kukshal
Mr. Dungali Sreehari

IIT Roorkee

Dr. Radha Raman Mishra

Registration

Application for attending the workshop may be submitted online through Google Form (<https://forms.gle/NwvUZBERpgnBDEfw5>). The workshop welcomes participation of students from all streams/ branches. After scrutiny of the received applications, the selected candidates may confirm their registration in the workshop by depositing ₹ 1000/- (rupees one thousand only). The details regarding the payment will be updated to selected candidates.



Scan here
for registration

Accommodation

Free accommodation and meals will be arranged at IIT Roorkee.

Venue : DIC, IIT Roorkee, Hafiz Mohd. Ibrahim Building, IIT Roorkee, Roorkee-247667, India.

Contact
Details

Mr. Dungali Sreehari,
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A Five Day Workshop

on

Understanding Product Design: A Hands-on Approach

(17th - 21st June, 2019)

organized by



Design Innovation Center
National Institute of Technology Uttarakhand

in association with



Design Innovation Center
Indian Institute of Technology Roorkee



About the Workshop

The prime objective of the workshop is to contribute in the national mission of ensuring maximum reach of design education and practice in the country. The activities in the workshop will enable the participants to understand the product design process through a hands-on approach. The workshop includes various activities including lecture sessions by experts from academia and industry, brain storming sessions, hands-on experience on 3D printing facilities and group presentations. It will provide an opportunity to the participants to explore their creativity in product design. It will help in promoting a culture of design and innovation among the students of the various institutes.

NIT Uttarakhand

National Institute of Technology, Uttarakhand is located in the hilly terrain of Srinagar Garhwal, Pauri, Uttarakhand. NIT Uttarakhand was established in 2009 under the Act of Parliament of India by the MHRD and designated with the status of "Institute of National Importance". NIT Uttarakhand is functional from two campuses i.e. parent campus at Srinagar (Garhwal) and satellite campus at MNIT Jaipur.

Design Innovation Center

Indian Institute of Technology Roorkee has established Design Innovation Center (DIC), funded by Ministry of Human Resource Development (MHRD), Government of India. The IIT Roorkee is a Hub and NIT Uttarakhand is one of the spokes for the center. The objective of the DIC, NIT Uttarakhand is to cultivate the culture of Design and Innovation within the Himalayan region as well as across the Nation. The center at NIT Uttarakhand is focusing on innovations in engineering products, adding value to the available engineering designs and promoting early stage startup companies. Various designs and technologies have been taken by the center for Hilly terrain.

Workshop Activities



- 1 Understanding the Challenges
- 2 Defining the Problem
- 3 Ideating the Solution
- 4 Designing the Prototype
- 5 Testing of the Prototype

Lecture Sessions

Lecture sessions will be arranged on different steps of product design using design thinking such as empathy, define, ideate, prototype and testing. Various leading experts from academia and industry will share their experiences.

Hands-on

The participants will work in groups to develop a prototype using 3D printing facilities under the supervisions of various experts from IIT Roorkee and NIT Uttarakhand. A presentation session will be conducted to evaluate the prototypes.

Sightseeing

Based on the request from the participants, a vehicle will be arranged on nominal charges for sightseeing to nearby places.