

Patrons

Prof. Ajit Kumar Chaturvedi, Director, IIT Roorkee
Prof. Lalit Kumar Awasthi, Director, NIT Uttarakhand

Co-Patrons

Prof. Inderdeep Singh, Coordinator, DIC and Head, DoD, IIT Roorkee
Prof. Apurbba Kumar Sharma, Dean, Academic Affairs, IIT Roorkee
Prof. Hariharan Muthusamy, Dean, R & C, NIT Uttarakhand

Conveners

Prof. Akshay Dvivedi, IIT Roorkee
Dr. Pawan Kumar Rakesh, NITUK
Dr. Vikas Kukshal, NITUK

Registration

The workshop welcomes participation of students (UG/PG) from all streams/branches. Application for attending the workshop may be submitted online through Google Form (<https://forms.gle/VmQj4Y5BRzV6t52XA>) After scrutiny of the received applications, the selected candidates should confirm their registration in the workshop by depositing Rs 1,500/- (Rupees One thousand five hundred only). The details regarding the payment will be updated to selected candidates.

Accommodation

Free accommodation and meals will be provided at IIT Roorkee for all the participants.

Venue

DIC, IIT Roorkee
IIT Roorkee,
Roorkee-247667, India.

Coordinators

Prof. Varun Sharma, IIT Roorkee
Dr. Dungali Sreehari, NITUK
Dr. Yogesh Kumar Prajapati, NITUK



Scan here
for registration

Contact Details

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A Five Day Workshop

on

Pragmatic approach towards Innovations in Product Design and Manufacturing

(July 04 – 08, 2022)

organized by



Design Innovation Center
National Institute of Technology Uttarakhand
in association with



Design Innovation Center
Indian Institute of Technology Roorkee



NIT Uttarakhand



DIC, IIT Roorkee



IIT Roorkee



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

IIC, MoE

About the Workshop

The prime objective of the workshop is to contribute in 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 and manufacturing. 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, Pauri Garhwal, Uttarakhand. NIT Uttarakhand was established in 2009 under the Act of Parliament of India by the MoE and designated with the status of “Institute of National Importance”.

Design Innovation Center

Indian Institute of Technology Roorkee has established Design Innovation Center (DIC), funded by Ministry of Education (MoE), 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 has been taken by the center for Hilly terrain.

Day-wise Activities



Understanding the challenges



Defining the problems



Ideating the solution



Designing the prototype



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 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. A presentation session will be conducted to evaluate the prototypes.