

## “Product Design Competition”- Report



The poster features a background image of a hand holding a glowing blue robotic arm. At the top, there are logos for the Institution's Innovation Council, ARIIA (Atal Ranking of Institutions on Innovation Achievements), and the Ministry of Education, Government of India. The main text is in a mix of blue, red, and black fonts. A list of bullet points details the competition rules. Contact information for two professors is provided at the bottom left. The date and time of the event are listed in red and blue. The SISTec-R logo and website are at the bottom right.

 **INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

 **ARIIA**  
ATAL RANKING OF INSTITUTIONS  
ON INNOVATION ACHIEVEMENTS

 **MoE**  
Ministry of Education  
Government of India

**DEPARTMENT OF MECHANICAL ENGINEERING, SISTec-R**  
organises

**Product Design  
Competition**

- Project can be done individual or in group of two members.
- Product design idea can be from any area which is useful in day to day life.
- Prototype can be prepared using cardboard or thermocol.
- Participant can make a video and send it to coordinator before 22.12.2020. Along with video a short description about the idea can be submitted in pdf format.
- Selected few designs can give presentation about their idea of product design through Google Meet on 24.12.2020.
- E-certificate will be provided to all participants.

**Date : 24<sup>th</sup> December 2020**  
**Time : 2:00 PM to 4:00 PM**

**For Details Contact -**

**Prof. Mukesh Mishra** | **Prof. Pushpendra Singh**  
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 **SISTec-R**  
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Product Design is one of the most important non-price factors which determine the success of a product. The role of product design changes throughout the life-cycle of a product. In the initial product development stage, the role of design is to create a marketable product from an innovation. The product design may be to create a new design (Change in look or working mechanism) of existing product. The chief role of design is in product differentiation; through quality, appearance, performance, ease of use, reliability, reparability and so on.

“**Product Design Competition**” is organized by Department of Mechanical Engineering for the students of 2<sup>nd</sup> Year and 3<sup>rd</sup> year. The main aim to conduct this competition is that the students can think on product differentiation through the look i.e. appearance of

product, quality and performance of product, working phenomenon of product etc. Here students can design any product from day to day life with some modification.

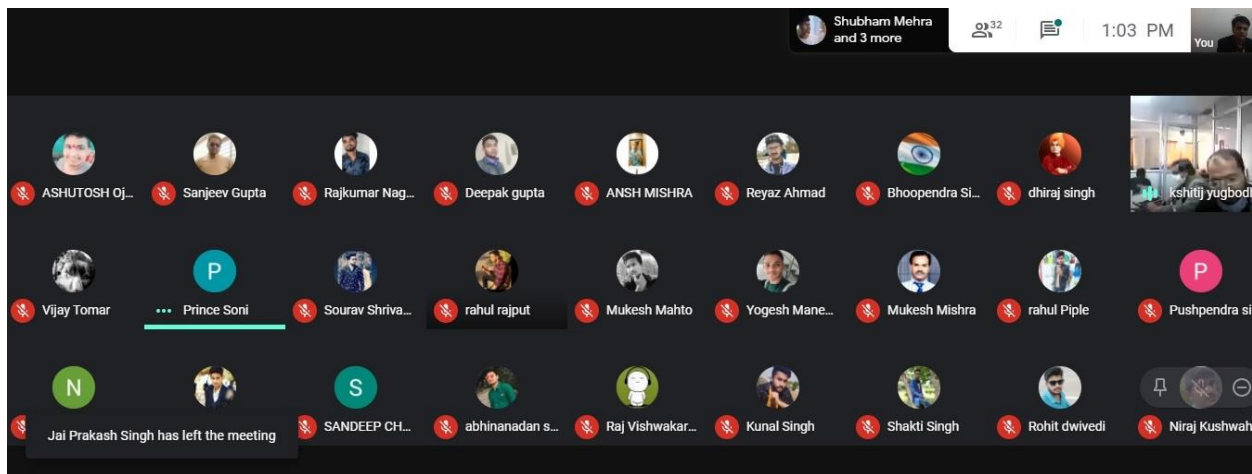
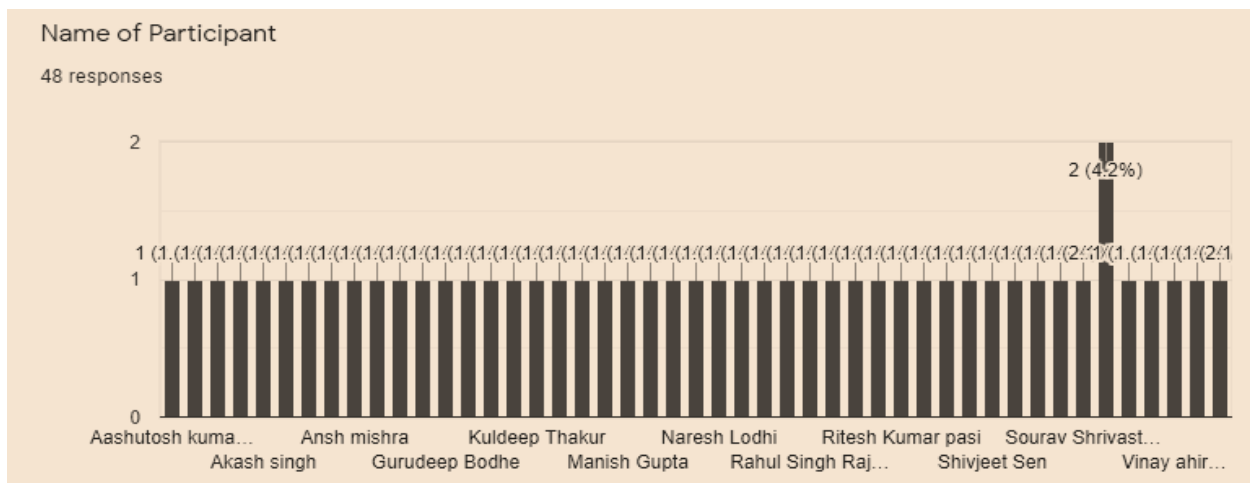
Total 47 students registered for the competition and about 25 ideas are send by the students. From this 6 best ideas are selected by faculty members and these ideas are judge through online presentation by teams/students.

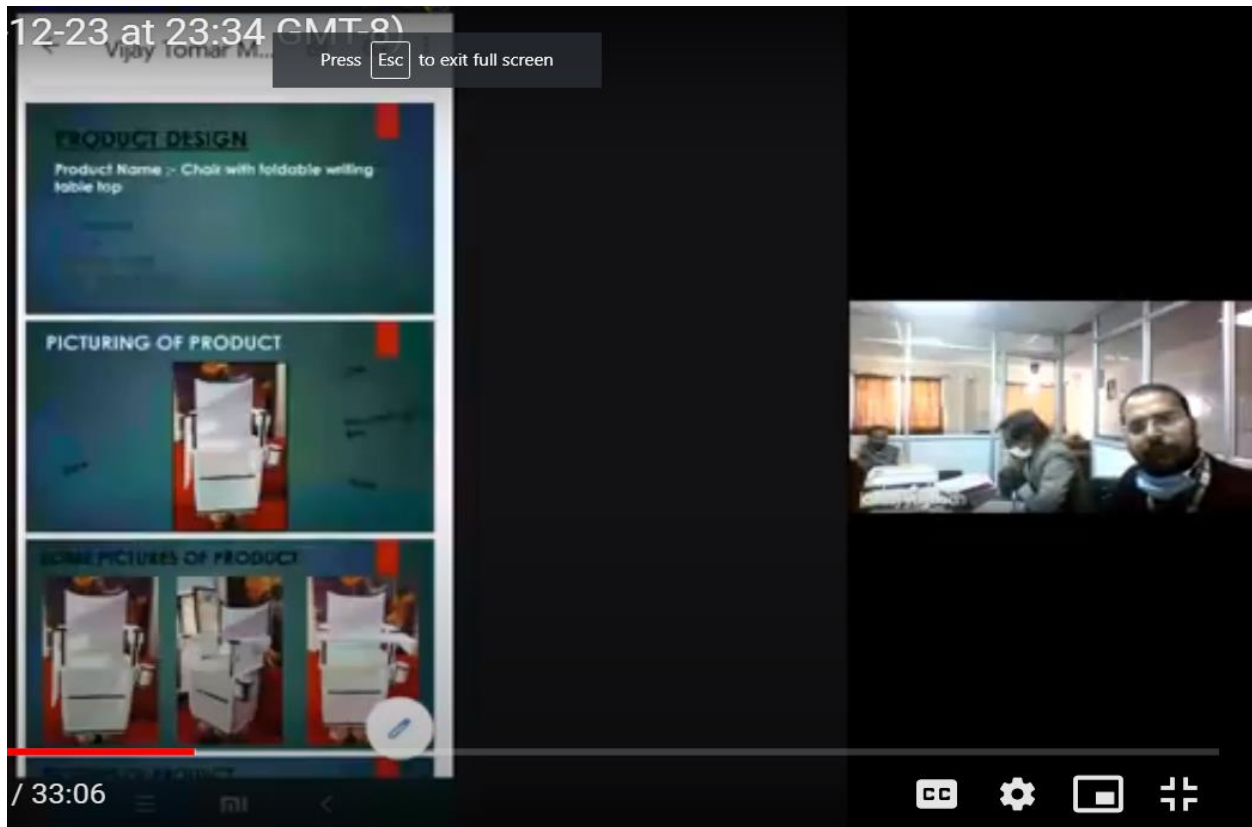
Specific metrics used by the judges will include: Design idea, Cost Effectiveness, Presentation. The first three position decided by judge are as:

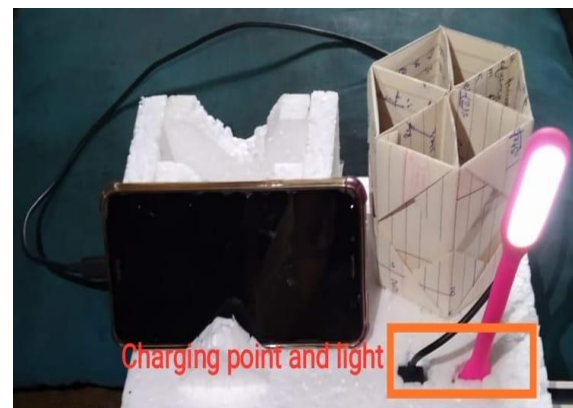
First Position – Ehan Ahmed and Naresh Lodhi (ME-5<sup>th</sup> Sem)

2<sup>nd</sup> Position- Vijay Singh Tomar (ME-2<sup>nd</sup> Year)

3<sup>rd</sup> Position – Raj Vishwakarma (ME 1<sup>st</sup> Year)







Video URL :

[https://drive.google.com/drive/u/1/folders/1G3V7bpLW6QO21JUuvPYb98Tu\\_2HyKv2t](https://drive.google.com/drive/u/1/folders/1G3V7bpLW6QO21JUuvPYb98Tu_2HyKv2t)