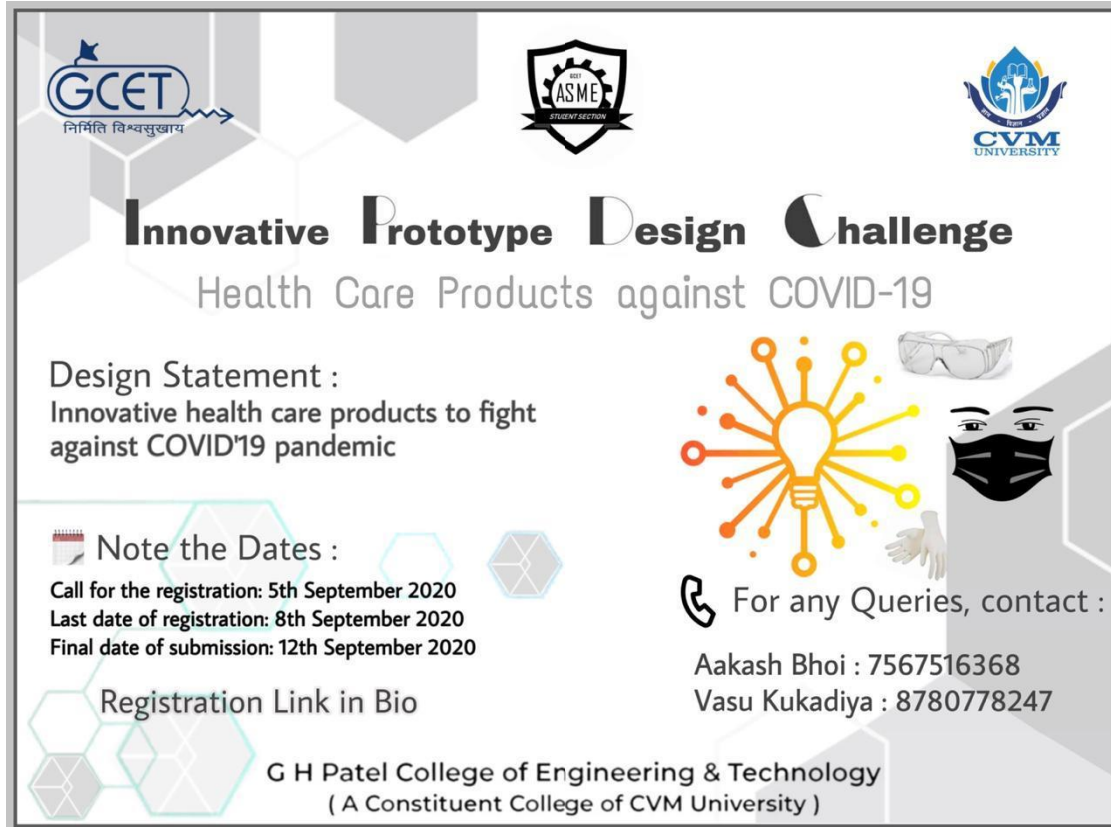


Innovative Prototype Design Challenge

5th September -12th September, 2020



The poster features logos for GCET, ASME Student Section, and CVM University at the top. The main title is "Innovative Prototype Design Challenge" with the subtitle "Health Care Products against COVID-19". The design statement is "Innovative health care products to fight against COVID-19 pandemic". It includes a "Note the Dates" section with registration and submission dates. A registration link is provided in the bio. Contact information for Aakash Bhoi and Vasu Kukadiya is listed. The bottom of the poster identifies the organizing institution as G H Patel College of Engineering & Technology, a constituent college of CVM University. The poster also includes illustrations of a lightbulb, safety glasses, a face mask, and gloves.

GCET
निर्मिति विश्वसुखाय

ASME
STUDENT SECTION

CVM
UNIVERSITY

Innovative Prototype Design Challenge

Health Care Products against COVID-19

Design Statement :
Innovative health care products to fight against COVID-19 pandemic

Note the Dates :
Call for the registration: 5th September 2020
Last date of registration: 8th September 2020
Final date of submission: 12th September 2020

Registration Link in Bio

For any Queries, contact :
Aakash Bhoi : 7567516368
Vasu Kukadiya : 8780778247

G H Patel College of Engineering & Technology
(A Constituent College of CVM University)

An Innovative Design Challenge was introduced first time in the G. H. Patel college of Engineering and Technology by the ASME Student section. In this covid '19 pandemic a refreshment extravaganza was needed for the students to showcase their design skills and by considering that, this design challenge provides a very good platform for students to engage themselves in different CAD-CAM software .

ASME Student section is always looking forward to grasp every opportunity and thereby in the situation like this where students are taking their valuable education in the online mode, so taking this as a different opportunity we have created a design challenge for the students. The topic of this challenge is "INNOVATIVE HEALTH CARE PRODUCTS " which can be used in the fight against the corona virus which is a invisible enemy of the human race and we have to fight with it with the help of application of engineering principles and by innovating new products for the welfare of the human race.



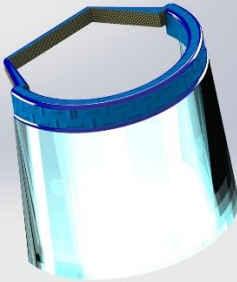
Innovative Prototype Design Challenge

The broad topic covers every single product which can be used in the fight against the covid pandemic like hand sanitizer, sanitization tunnel, hand gloves and up to the new innovative thinking like face shield contain goggles, mask and earphones. This broad topic is very encouraged by the participants because it favors their thinking and can imagine new things.

Different topics from which the participants can choose are as below:

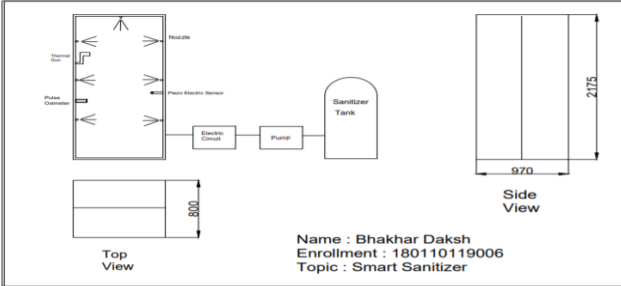
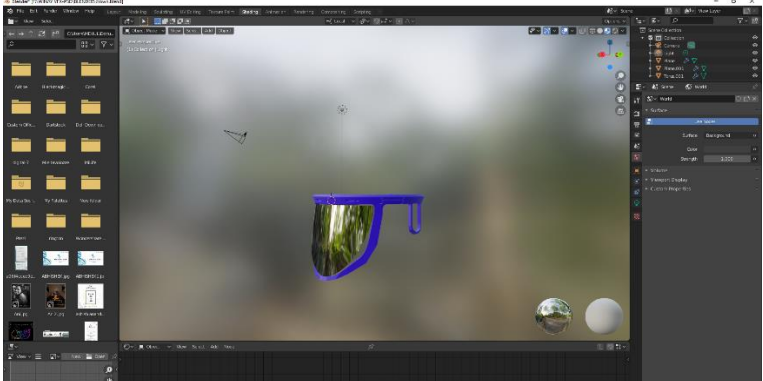
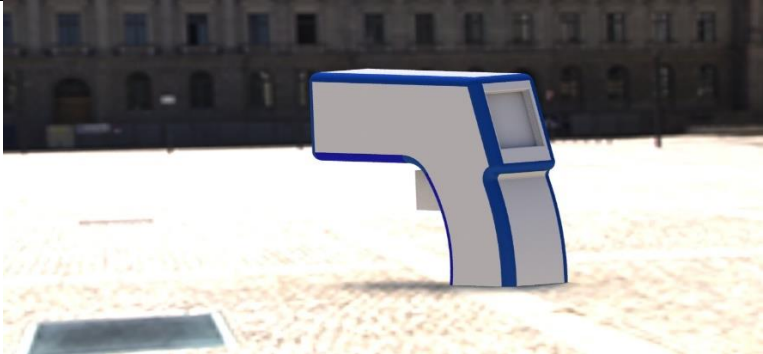
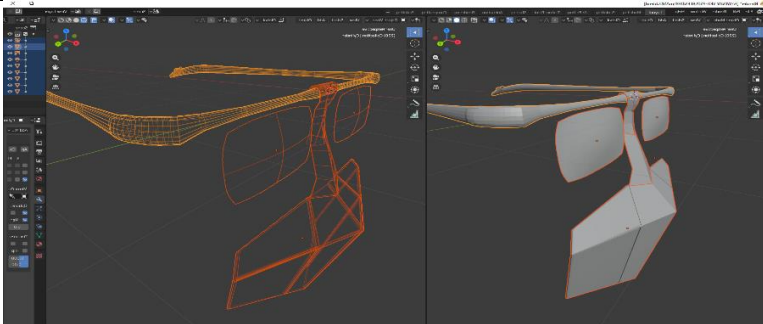
1. Face Wearables (Masks, Shield, etc.)
2. Gadgets for welfare of human being (temperature gun, different sanitizer machines, etc.)
3. Body protective gears (hand gloves, protective clothes, etc.)

For the reference purpose to the participants many different designs were also given to the participants by the event coordinators as per below:

<p>Head phones with mask</p> 	<p>Temperature gun</p> 
<p>Face shield</p> 	<p>This rendered image of the 3d model of the respective thing is being shared by the event coordinators for the reference purpose for the participants so that they can have an idea for the event and can participate in it. The models are prepared in the soliworks software.</p>

Innovative Prototype Design Challenge

Students have taken very active participation in the event and some 3d model prepared by students are as below:

<p>2d sketch of smart sanitizer prepared by Daksh Bhakhar</p> <p>Software: AutoCAD</p>	 <p style="text-align: center;">Name : Bhakhar Daksh Enrollment : 180110119006 Topic : Smart Sanitizer</p>
<p>3d model of face shield prepared by Nitesh Raj</p> <p>Software: Blender 3d</p>	
<p>Temperature sensing gun "thermal gun" prepared by Jaimin Chauhan</p> <p>Software: SolidWorks</p>	
<p>Innovative face mask with goggles prepared by Vinay Gupta</p> <p>Software: Blender 3d</p>	



G H Patel College of Engineering & Technology
Mechanical Engineering Department
GCET ASME Students Section



Innovative Prototype Design Challenge

❖ The winners of this innovative design challenge are:

- 1st Daksh Bhakhar
- 2nd Gurmam Singh Bhullar
- 3rd Vinay Gupta

Acknowledgement and Vote of Thanks

We express our sincere gratitude to CVM for supporting us. We are grateful our Principal Dr. Himanshu Soni for his constant support and motivation to go ahead with the event. We are thankful to our Head of the Department, Dr. Darshak Desai, faculty advisors Prof. Purnank Bhatt and Prof. Aakarsh Jain for their constant guidance and help. Heartfelt thanks to all the participants who helped in making this event a grand success. Special congratulations to the entire ASME Student team who made this event possible.