



**MHRD**  
Ministry of Human  
Resource Development  
Government of India



**MHRD'S  
INNOVATION CELL**  
(GOVERNMENT OF INDIA)



Foundation of Healthcare & Excellence (ICFHE)



# Mega Online Challenge **SAMADHAN**

April 8<sup>th</sup> to April 26<sup>th</sup>, 2020

Partnered by



Supported by



# INSPIRATION

*Taking inspiration from the Fight Corona IDEathon conducted in March 2020, a Mega Online Challenge "SAMADHAN" was launched by MHRD Innovation Cell and AICTE in collaboration with InnovatioCuris and Forge to test the ability of students, educators & individuals/startups to innovate for solutions to fight COVID-19 pandemic. The challenge commenced on April 8 and ended on April 26.*

## THE CHALLENGE WAS SEGMENTED INTO 2 TRACKS

### Track 1



IDEATE

SIMULATE

WIN

### Track 2



VALIDATE

PITCH

DEPLOY

## MOTIVATION CHALLENGES



**Saving Lives**



**Saving Communities**



**Saving Businesses**

The challenge consisted of design, simulation and development of measures that can be made available to the government agencies, health services, hospitals and other services for quick solutions to the pandemic and other such calamities.

The objective of **SAMADHAN** was to discover and nurture impactful technology-enabled innovations to become full-fledged commercially viable and market-ready products that can help fight against challenges posed by COVID-19. Under dire situations like these, the innovations should be rolled out in the reliable in

market as soon as possible, so the nature of these innovations should be of low cost, easily accessible to the largest section of the target beneficiaries, reliable in quality, and can be adopted & used without specialized skills or additional resources. In order to ensure that only the best innovations reach the market, a jury panel with experts from different organizations was formed to assess and judge the innovations with their domain expertise.

Apart from this, through the "**SAMADHAN**" challenge, work was taken up to make citizens aware, motivate and face challenges to prevent any crisis and to help people get livelihood.



**2500+**  
IDEAS



**9000+**  
PARTICIPANTS

# Track 1

## Ideate Simulate Win



**14**  
DAYS



**100+**  
MENTORS



**27000+**  
INTERACTIONS

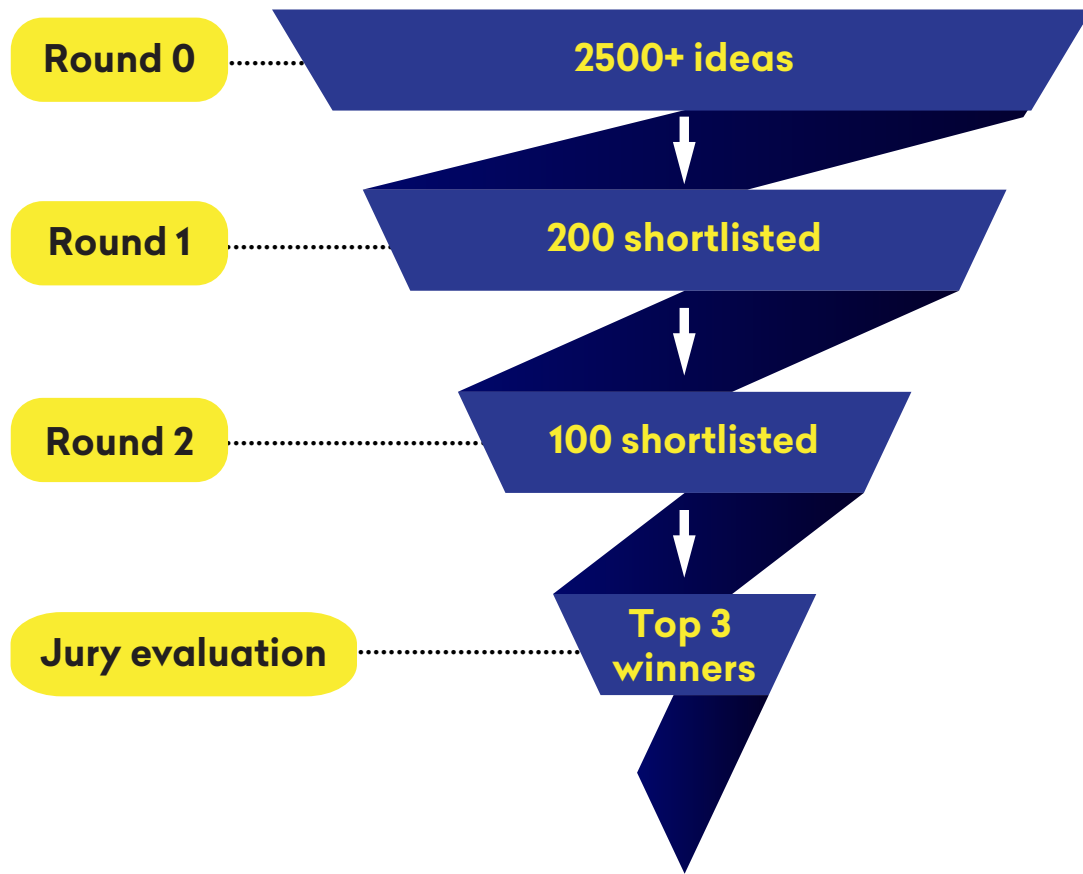


**8**  
EVALUATIONS  
LEVELS



**700,000+**  
CUMULATIVE  
VIDEO VIEWS

# Track 1 Process



## Jury



**Karnal Singh**

Ex ED Director  
Govt. of India



**Prof B K Kuthalia**

President  
Haryana State Higher  
Education Council



**Dr Sandeep Bhalla**

Director Training  
PHFI



**Dr Papri Banerjee**

Assistant Innovation Director  
MHRD



**Sukhmeet Kaur**

Consultant



**Berry Tanis**

Entrepreneur and  
Investor



**Kees Miedema**

Entrepreneur and  
Investor



**750+**  
IDEAS



**850+**  
PARTICIPANTS

# Track 2

## Validate Pitch Deploy



**14**  
DAYS



**13**  
MENTORS



**27**  
STATES



**3**  
EVALUATIONS  
LEVELS

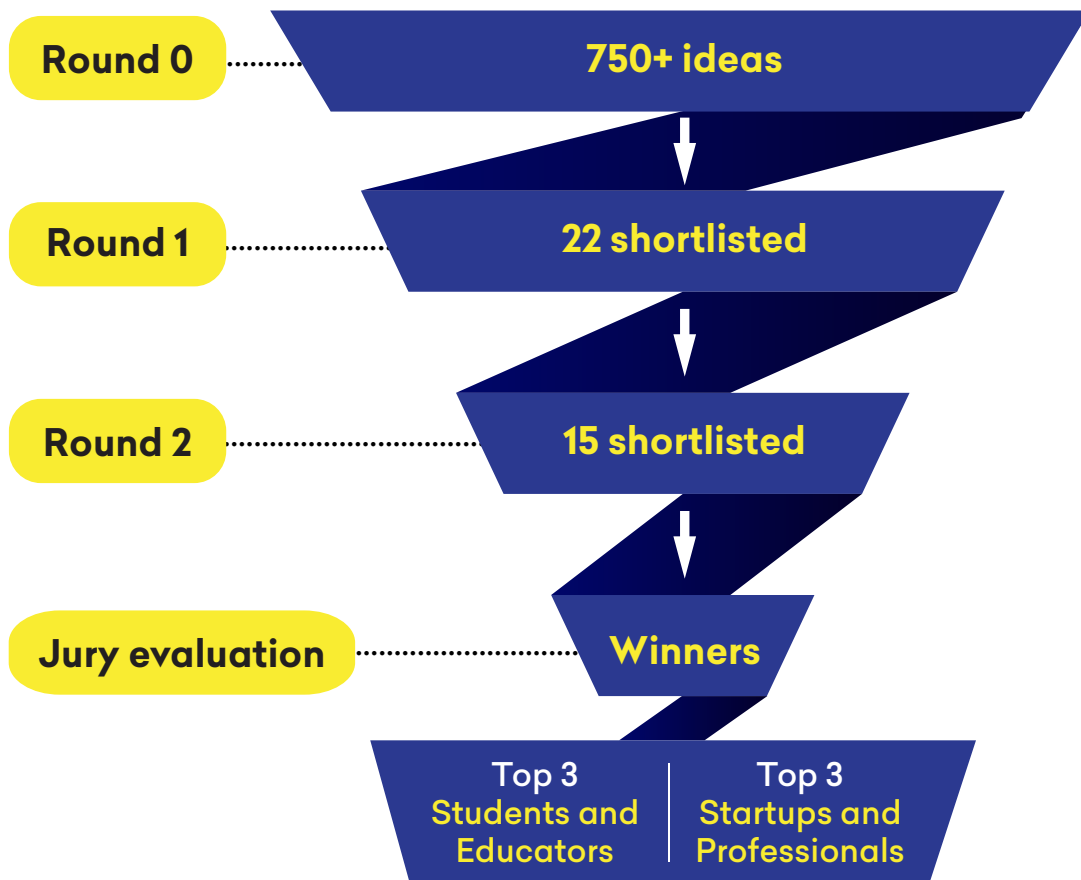


**12**  
GRAND JURY  
MEMBERS



**5**  
MASTER CLASS  
WEBINARS

# Track 2 Process



## Jury



**Dr. Abhay Jere**

CIO, MHRD  
Govt. of India



**Dr. Yatin Talwar**

Healthcare Expert, MoFHW  
Govt. of India



**Dr. J. Daniel Chellappa**

Senior Scientist, BARC  
Govt. of India



**Rajive Gulati**

Senior Program Officer  
UN Technology Innovation Labs,  
UNOICT



**Kumar Sachidanandam**

Founder  
Ydeology Ventures



**Dr. A. K. Garg**

Senior Director, MIETY  
Govt. of India



**Admiral Dr. V. K. Singh**

Managing Director  
InnovatioCuris



**Dr. Jagtar Singh**

Healthcare Consultant



**Chulanga Perera**

Chief Information Officer  
Daimler India Commercial Vehicles



**Shrikumar Unnithan**

Head - New Business Opportunities,  
Daimler India Commercial Vehicles



**Berry Tanis**

International Projects Director  
WorldStartup.co



**Rakesh MishraKaur**

Founder Director  
startupgameplanning.com

# WINNERS



## TRACK 1

### Swapnil Shankar Mane

Semi-autonomous vehicle Robot for Large area Sanitisation, remote victim detection using thermal camera

### Swaprava Nath

Automated contact tracing

### Bhargav R Meghani

Mask using metallic nanoparticles that have proven antiviral and antimicrobial activity

## TRACK 2

Student  
Innovators  
& Educators  
Category

### Livonian

IoT enabled handwash monitoring device that integrates sanitizer and water dispenser

### Smart Triage

ML-based solution model designed to conduct remote risk analysis

### Action Group on AI and Radiology

AI-driven radiology and clinical data mining system for evidence-based medicine for COVID-19 patient treatment

Startups &  
Professionals  
Category

### SenseGiz Technologies

End-user ecosystem to trace, track, and monitor movements of individuals

### InnoDX Solutions Pvt Ltd

LAMP technique solution for rapid screening to accurately indicate COVID-19 risk

### Blackfrog Technologies

Portable medical-grade refrigeration device limiting temperature fluctuation to less than 0.5-degrees celsius

# MENTORS

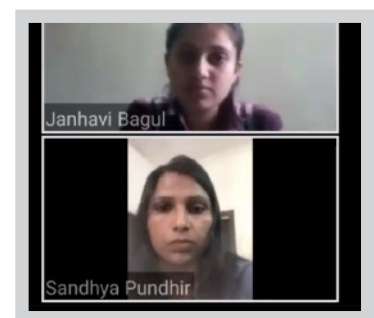
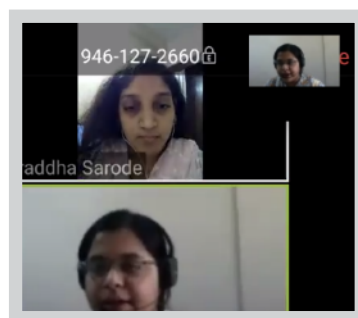
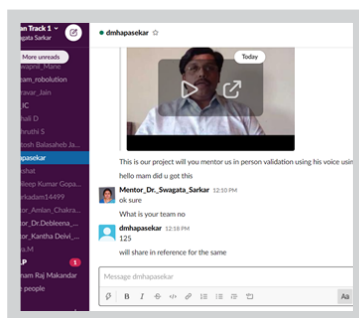
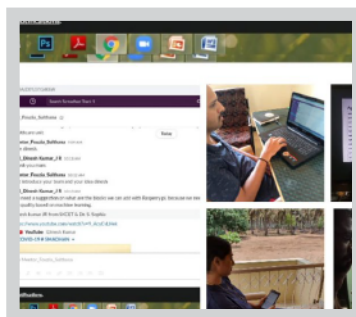
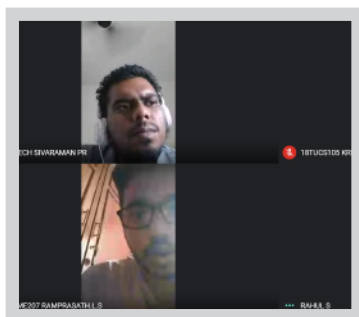
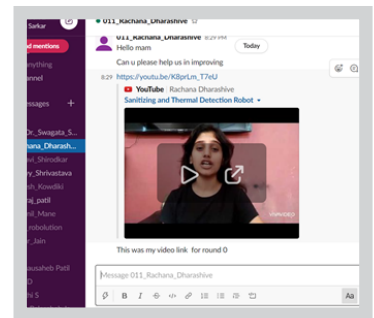
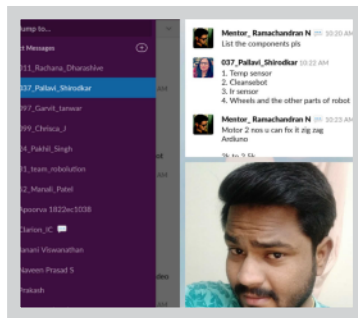
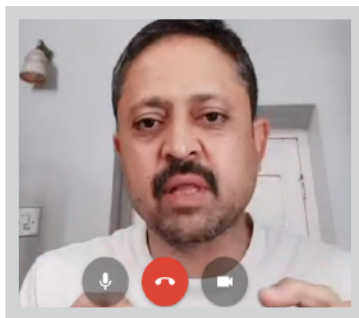
Mentor onboarding commenced on April 8 to bring forward the brightest minds from the industry who better understand COVID19 in an on-the-field perspective. The mentors were quick in trying to get onboarded with the participants who needed assistance in improving their idea.

Though two official mentoring sessions were scheduled in a course of 6 days, the mentors engaged with the participants along the length of the competition day and night. This eminently showcases the passion with which both the mentors and participants were fired up in finding solutions to tackle the pandemic.

A total of over 100 mentors participated in the competition with some mentors mentoring over 10 teams.

The mentors were also engaged in the evaluations of the participant entries.

Some mentor-participant interactions that we have curated are as follows.

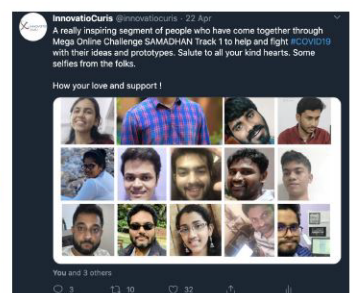




# SOCIAL MEDIA

The Mega Online Challenge received upvotes and appreciation from all walks of social media portals. Twitter, LinkedIn, Facebook, Instagram and most importantly, YouTube played a prominent role in bringing and binding the ideas to tackle COVID-19 together. The curated YouTube channel reached over 7 Lakh cumulative video views under 30 hours. This proves the mettle with which the participants showed their will and heart to fight the pandemic.

Following are some glimpses from the competition. Multiple campaigns were run, keeping in mind the people's ideas and their contributions.



## TECHNOLOGIES USED

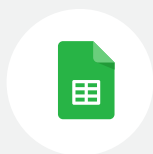
*The Mega Online Challenge Track 1 used the following technologies for managing the event.*



YouTube APIs



Slack



Google form /  
Google spreadsheet



Google meet

## MEDIA MENTIONS

*National newspapers and popular e-papers covered the Mega online challenge*



# TESTIMONIALS

## Aloke Vohra

“

*Hi Teams. I am back from my break & available from here till 6 pm for any fresh teams seeking guidance. Thx. Some amazing stuff is happening here & this is great great initiative!*

## G Saranya

“

*We are really grateful to you all for triggering our minds in order to support a social cause.*

## Jaspal Singh

“

*I must congratulate you for the wonderful conduct of the program /sessions on this amazing platform.*

## Sumita Sahu

“

*Thank you very much Organizers for such an effort to bring everyone together. It was a great event. Keep doing such great jobs.*

## Dr Shweta Prabhakar

“

*Thank you Alok, Parthvee, Clarion for organizing such a wonderful event!!  
Must appreciate amidst of lockdown-You had put the great minds work together despite physical restrictions for a Great Cause -Fighting COVID 19. Well done! Enriching experience. Thank you once again. Stay safe.*

## Dr Swagata Sarkar

“

*Thank you Alok, Parthvee, Clarion for your excellent support. It is a wonderful event. Each and every team has equal potential to win. Even lockdown is not a barrier. Great effort for a great cause. Fight against COVID 19. Experienced a lot.*

## Sujith R

“

*I would like to make a special mention of such a perfect host team / organizers, this would have not been as smooth as it was without you guys. Thank you, all the best on further projects and looking forward to working with you further.*

## Anshu Gupta

“

*Thank you to all the organising team and wonderful participants and mentors!*

## Irfan Langde

“

*Thank you organizers for giving me the opportunity to mentor and shape ideas. It was a great experience.*

## Sandhya Pundhir

“

*InnovatioCuris congratulations for successfully reaching towards completion. Thank-you everyone for enthusiastic participation. Once again thanks everyone for giving me the opportunity as mentor of this grand event Mega Online challenge SAMADHAN. A great initiative.*

## **Contact information**

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