

WEBINAR ON DEVELOPEMENT OF NOVAL ENGINEERING DEVICES TO CONTROL THE IMPACT OF COVID-19 PANDEMIC ON 4TH JULY 2020

REPORT

The Nalla Narasimha Reddy Education Society's Group of Institutions has conducted Webinar on **Development of Noval Engineering Devices to Control the Impact of Covid-19 Pandemic** on 4th July 2020 by the resource person Dr. S. Sridhar, Sr. Principal Scientist, Process Engineering and Technology and Transfer, CSIR-IICT, Hyderabad. The program was conducted by the Department of Mechanical Engineering and Dr. G. Janardhana Raju, Dean, School of Engineering has organized the program.

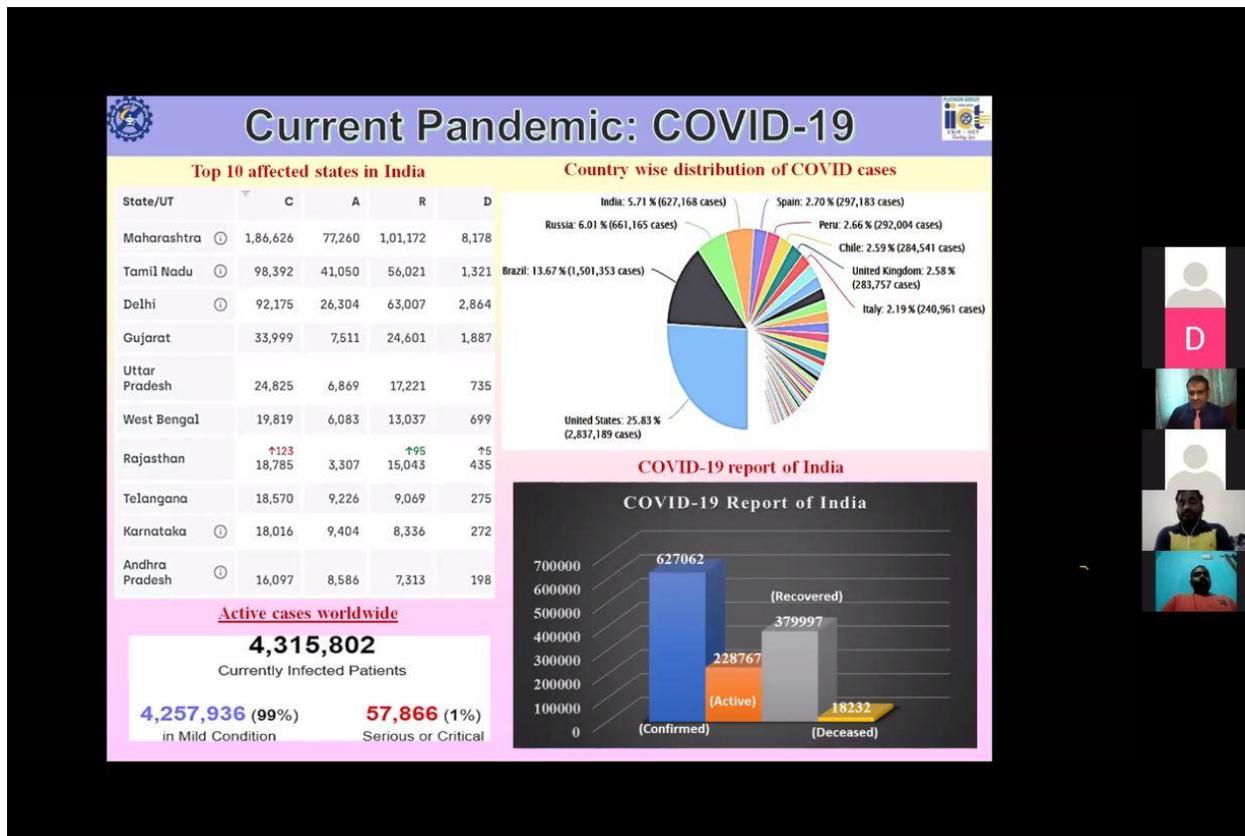
Dr. C.V. Krishna Reddy, Director of NNRG, has attended and explained the significance of precautions to be taken during Covid19. The resource person has started the session at 11:30 AM and discussed the following items shown below.

The image shows a presentation slide titled "Outline of this Presentation" with a yellow header and a light blue gradient background. The slide lists ten topics, each preceded by a right-pointing arrowhead. On the right side of the slide, there is a vertical stack of video call participant icons. The top icon is a grey silhouette with a pink square containing the letter 'D'. Below it is a small video feed of a man in a blue shirt. The next two icons are grey silhouettes, and the bottom icon is a small video feed of a man in a blue shirt. The slide also features logos for NNRG and CSIR-IICT in the top corners.

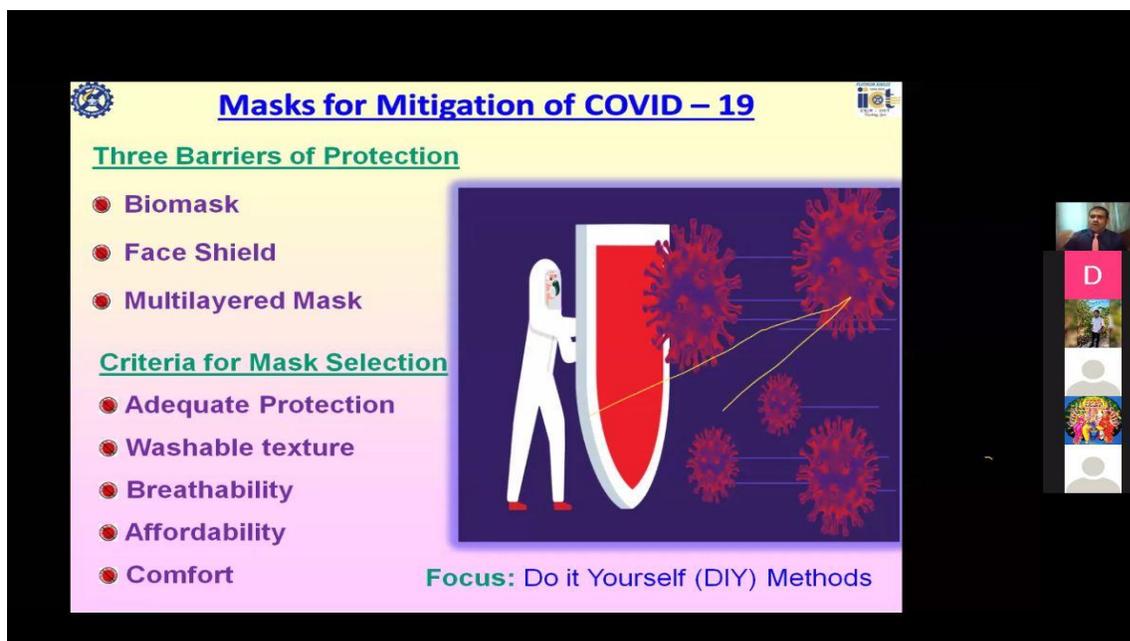
Outline of this Presentation

- Background on COVID-19 Pandemic
- Face Shields & Multilayered Masks (DIY)
- Hand Sanitizers & Touch-free Dispenser
- Drinking Water Generation through Atmospheric Water Generator
- Alkaline Water as Immunity Booster
- Medical Devices for Covid-19 (UV Chamber & Ventilator)
- Purification of Flood Water in West Bengal & Orissa during COVID-19
- Purification of Ground & Surface Water
- Challenges & Future Prospects

He has presented and explained the statistics on COVID-19 pandemic in India and worldwide, which made the participants to understand threat of COVID-19 in the society. He has also discussed in detail the importance of using of mask, face shield and sanitizers to protect from COVID-19 along with the procedure of making these items at low cost .



The resource person enlightened the audience by explaining the procedure of optimum face shield making which can avoid the corona virus spreading along with the dimensions of face shield and its process.



Design of Protective Face Shield

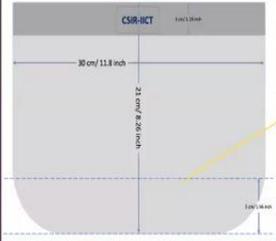
Face shield for additional protection



Mask + Face Shield

- Transparent sheet
- Elastic
- Paper / Double Side Tape & Stapler

Design of face shield

Face shields with foam




Modified face shield



Face Shield

- Transparent sheet
- Elastic
- Paper tape, Foam & Stapler

Face shields with and without foam



MSL team lead by Dr. S. Sridhar



In this session, good number of participants which includes Dean School of Pharmacy and Dean School of MBA, HODs of various departments , faculty, students and outside members across the nation attended the programme. All the participants expressed their higher level of satisfaction on the overall programme.



Dr.G.Janardhana Raju
Dean-SOE & Head MED
Programme Coordinator