Covid 19 Infographics (From 20 March to 03 April 2020)





प्रौर्योगिकी विकास बोर्ड TECHNOLOGY DEVELOPMENT BOARD DEPARTMENT OF SCIENCE & TECHNOLOGY

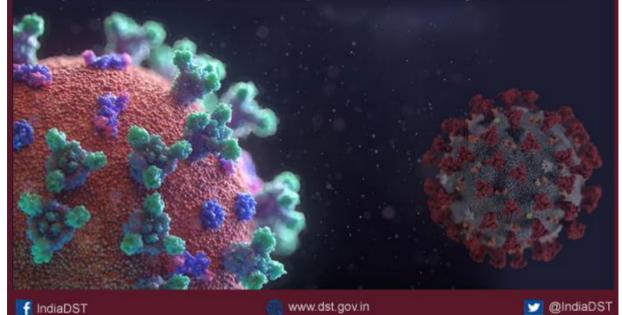
Technology Development Board (TDB), a statutory body of DST invites applications from Indian companies and enterprises to address protection & home-based respiratory intervention for COVID-19 patients.



DST has set up a COVID 19 Task force for mapping of technologies from R&D labs, academic institutions, startups, and MSMEs to find nearly market-ready solutions in diagnostics, testing, health care delivery solutions & equipment supplies with representatives from DST, DBT, ICMR, MeitY, CSIR, AIM, MSME, Startup India and AICTE.



DST launches nationwide exercise to identify & boost Covid19 solutions with support for R&D, seed fund for market deployable products and help to scale up solutions already in market.



DST synergising activities by S&T Ministry & its network of scientific bodies across the country to identify and scale up Covid 19 solutions

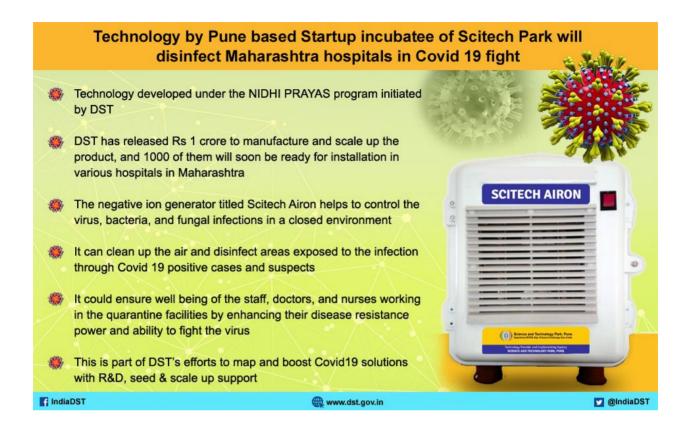
- SERB invited R&D proposals under IRHPA scheme specifically designed for Covid-19 & related respiratory viral infection
- Technology Development Board (TDB) invited proposals of technological solutions to address protection and home-based respiratory interventions for Covid 19 patients
- Sri Chitra Tirunal Institute of Medical Science and Technology (SCTIMST), Trivandrum has started building 8 different prototypes to address Covid19 health challenges
- Covid19 Task Force set up by DST for mapping of technologies from R&D labs, academic institutions, startups and MSMEs with representatives from DST, DBT, ICMR, MeitY, CSIR, AIM, MSME, Startup India and AICTE

IndiaDST



As part of DST's efforts to map and boost Covid19 solutions with R&D, seed & scale up support, Pune based Startup under incubation at Scitech Park, University of Pune will deploy Airon Ioniser Machines at various hospitals in Maharashra, for reducing the viral load in guarantine areas





First set of approved research projects against special DST-SERB R&D calls to combat coronavirus (CoVID-19) and related respiratory infections

Identification of global metabolite Development of functionalized Development of antiviral surface biomarkers in CoVID-19 infected inanimate surfaces with repurposable coatings to prevent the spread of patients for targeted therapy. multi-targeted viricidal agents/drugs for infections caused by influenza virus. Dr. Sanjeeva Srivastava, preventive and cost-effective antiviral Dr. Jayanta Haldar, Department of Biosciences and applications. JNCASR, Bangalore Bioengineering, Dr. Nagma Parveen, Department of **IIT Bombay** Chemistry, IIT Kanpur Development of formulations for viral Antibody-based capture of 2019-nCoV & decontamination of inanimate surfaces. its inactivation using lipid-based in situ gel Dr. B. S. Butola, Department of Textile Dr. Kiran Kondabagil, Department of and Fibre Engineering, IIT Delhi Biosciences and Bioengineering, **IIT Bombay** 111 f IndiaDST www.dst.gov.in 💟 @IndiaDST

SCTIMST ties up with Wipro 3D to manufacture automated ventilators to meet COVID 19 related crisis



IndiaDST

🕀 www.dst.gov.in

💟 @IndiaDST

SCTIMST & Wipro 3D are jointly developing automated portable & lightweight ventilators based on Artificial Manual Breathing Unit (AMBU) to meet urgent requirements arising out of the Covid 19 related crisis that the country is facing.



As a rapid response centre to combat COVID 19, DST has set up a Centre for Augmenting WAR with COVID-19 Health Crisis (CAWACH) at SINE, IIT Bombay to scout, evaluate and support innovations and start-ups with novel, low cost, safe and effective solutions for sanitizers, disinfectants, diagnostics, therapeutics, informatics and effective interventions for the pandemic.



f IndiaDST

www.dst.gov.in

💟 @IndiaDST

DST sets up rapid response centre at SINE, IIT Bombay to combat COVID-19

 Centre for Augmenting WAR with COVID-19 Health Crisis (CAWACH) set at a total cost of Rs 56

- The centre will scout, evaluate and support the innovations and start-ups that address COVID-19 challenges
- 50 innovations and startups to be identified for novel, low cost, safe and effective ventilators, respiratory aids, protective gears, solutions for sanitizers, disinfectants, diagnostics, therapeutics, informatics and effective interventions to control COVID-19
- Timely support will be extended to potential startups by way of the requisite financial assistance and fund deployment targeting innovations that are deployable in the market within next 6 months

IndiaDST

www.dst.gov.in

💟 @IndiaDST