

## Webinar on

# *Healthcare Impact of Covid-19 Epidemic in India: A Stochastic Mathematical Model*

- Organized by NIDHI Center of Excellence @ Venture Center -

<b>Webinar Overview</b>	<p>Mathematical models are emerging to predict trends in new infections and deaths globally. These models can forecast medical supply shortages, and influence policy makers and investment of resources. In this webinar the speaker talks about an early stochastic mathematical model of the COVID-19 epidemic in India with the objective of determining its magnitude, assessing the impact on healthcare resources, and studying the effect of certain Non Pharmacological interventions (NPIs) on the epidemic. This model attempts to answer key questions like : How is COVID 19 epidemic likely to grow in India? How is it going to impact the healthcare services? What would be the impact of effective lock-down?</p>
<b>Organized By</b>	<ul style="list-style-type: none"> <li>• Venture Center</li> </ul>
<b>Supported by</b>	<ul style="list-style-type: none"> <li>• NIDHI Center of Excellence @ Venture Center</li> </ul>
<b>For whom</b>	<ul style="list-style-type: none"> <li>• Entrepreneurs</li> <li>• Startups</li> <li>• Researchers, Clinicians</li> <li>• Policy Makers who work in the areas of/or are interested in : Data modeling, Diagnostics, Epidemiology, Strategy Development, Policy Decision Making.</li> </ul>
<b>When</b>	<b>Thursday   07 - May - 2020   Time: 04:00 pm – 05:30 pm</b>
<b>Where</b>	This webinar will be held on an online platform; Link to the webinar will be shared with selected participants
<b>Speaker</b>	- Air Cmde S Shankar
<b>Moderators</b>	- Bhalchandra S. Pujari - Premnath Venugopalan
<b>Contact</b>	<b>Technical queries:</b> Neha K Phone : +91-8956677543   Email on : <a href="mailto:neha@venturecenter.co.in">neha@venturecenter.co.in</a>
<b>Registrations</b>	<p><b>Webinar attendance is FREE. Registration is mandatory!!</b></p> <ul style="list-style-type: none"> <li>• Webinar will be conducted using online platform. Only registered participants will be allowed to participate in the webinar.</li> <li>• <b>Register Here:</b> <a href="https://bit.ly/7-may-2020">https://bit.ly/7-may-2020</a></li> </ul> <p><i>Registration Process:</i></p> <ul style="list-style-type: none"> <li>• Step 1: Interested participants need to fill in registration form at the following link.</li> <li>• Step 2: Email invite with link to webinar will be sent post screening of registration details.</li> <li>• <b>NOTE: Registration closes once 90 seats are full</b></li> </ul>

### Webinar Outline:

Workshop shall consist of:

- Talk, Panel and Q&A sessions

**About the Speakers/ Mentors (in alphabetical order of the last name)**



Bhalchandra S. Pujari

**Bhalchandra S. Pujari**  
**UGC-ASSISTANT PROFESSOR**

Dr. Bhalchandra Pujari is a UGC-Assistant Professor at Centre for Modeling & Simulation, Savitribai Phule Pune University. After completing his doctoral work at University of Pune, Dr. Pujari joined the National Institute for Nanotechnology, Canada as a post-doctoral fellow. He later joined University of Nebraska-Lincoln for subsequent post-doctoral work. The main area of research of Dr. Pujari is Computational Condensed Matter Physics with special interest in low-dimensional systems and magnetism. Over the years he has published more than 30 research articles & books, and is recipient of several national and international grants. Among his main contributions to science are the explanation of complex magnetic phase diagrams of random alloys using coherent potential approximation, and understanding of transition of graphene to its hydrogenated variant - graphAne. Dr. Pujari has keen interest in developing and implementing new algorithms and has been a contributor to several packages like LMTO-ASA. Along with the physics, Dr. Pujari is interested in ornithology and moths. He is curator of Pune Biodiversity project on iNaturalist.



Air Cmde S Shankar

**Air Cmde S Shankar**  
**Prof & HOD Internal Medicine, Consultant Medicine & Clinical Immunologist**  
**Armed Forces Medical College, Pune**

Air Cmde Subramanian Shankar has taken over as Prof & HOD, Internal Medicine at Armed Forces Medical College, Pune w.e.f 27 Aug 2018. He is a graduate of the Armed Forces Medical College. He did his Post Graduation in Internal Medicine from the same college and was the University Gold Medalist. Subsequently he obtained his doctorate in Clinical Immunology from the All India Institute of Medical Sciences, New Delhi. He was the past editor in chief of Indian Journal of Rheumatology (2009-2013). He has 111 publications in various reputed national and international journals including Nature. He is the winner of several academic and research awards including the prestigious IRA Oration award (2014), Dr JN Berry Award & Dr PJ Mehta Oration of API and Capital foundation award 2016. He has a keen interest in Autoimmune diseases, Molecular Genetics & Proteomics, Economics, Mathematical Modeling & Biostatistics



Premnath Venugopalan




**Premnath Venugopalan**  
**Founding Director - Venture Center and Head, NCL Innovations.**

He holds a B. Tech from the Indian Institute of Technology - Bombay and a Ph.D. from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization, working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.

## About the Organizers

	<p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science &amp; Technology's National Science &amp; Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences &amp; engineering.</p> <p>For more information, visit <a href="http://www.venturecenter.co.in/">http://www.venturecenter.co.in/</a></p>
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## Supported by

	<p>The National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Government of India has awarded Venture Center with the status of a NIDHI-CoE (National Initiative for Developing and Harnessing Innovations – Center of Excellence an umbrella programme conceived by DST). This award is accompanied by a grant of Rs. 50 Cr for 5 year duration to help Venture Center scale-up its activities and demonstrate greater success to accommodate more than 100 startups at any time and to upgrade and add new facilities for supporting science and technology based startups. NIDHI-COE is catalyzed and supported by NSTEDB Division, Department of Science and Technology, New Delhi.</p> <p>For more information, visit: <a href="http://nidhicoe.venturecenter.co.in/">http://nidhicoe.venturecenter.co.in/</a></p>
	<p>The National Science &amp; Technology Entrepreneurship Development Board (NSTEDB), established in 1982 by the Government of India under the aegis of Department of Science &amp; Technology, is an institutional mechanism to help promote knowledge driven and technology intensive enterprises. The Board, having representations from socio-economic and scientific Ministries/Departments, aims to convert "job-seekers" into "job-generators" through Science &amp; Technology (S&amp;T) interventions.</p> <p>For more information: <a href="http://www.nstedb.com/">http://www.nstedb.com/</a></p>
	<p>Department of Science &amp; Technology (DST) was established in May 1971, with the objective of promoting new areas of Science &amp; Technology and to play the role of a nodal department for organising, coordinating and promoting S&amp;T activities in the country.</p> <p>For more information: <a href="https://dst.gov.in/">https://dst.gov.in/</a></p>