



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

DEPARTMENT OF PHYSICS



“Webinars on COVID-19: Risk Management & Simulation Efforts”

Venue and dates: Online through Microsoft Teams on 02-03rd July, 2020

Who can participate? Students and scholars from any stream who are interested in learning about statistical analysis of the spread of COVID-19 pandemic and strategies to restrict its spread.

Aim and scope: Identified officially as SARS-COV-2, or colloquially as novel coronavirus, has recently spread from Wuhan, China to 213 other countries across the globe, infecting countless people on its way, with Covid-19, the disease, associated with this virus. The virus presented unprecedented challenges, but also provided a rare study opportunity, which, if seized, will help us understand future risks from similar outbreaks. These webinars will objectively underscore that data is both a powerful armament, to fight epidemics, and a potent shield in the line of defense, against future outbreaks. In these two days, we will learn how to collate, discern, pattern match & visualize them. Also, the knowhow to draw inferences like epidemiological projections will be disseminated. In these two days, we shall learn about public health & livelihood management during an epidemic and modeling them in two different computer languages, including python & R. These webinars will deal with the basics of these tools, data processing, and analysis. Further information will be provided before/during the training sessions.

These webinars are an attempt to provide answers for queries of the scholars to understand the COVID-19 spread trend and possible strategies for its containment.

Prof. Udaykumar R Yaragatti, Director, MNIT Jaipur, is basically an electrical and electronics engineer. His research in the fields of renewable energy resources, power electronics, smart grid is exemplary. Under his auspicious guidance MNIT Jaipur has recently developed innovative contactless disinfectant units for novel Corona virus.



Dr. Indranil Mukhopadhyay, an Associate Professor at Jindal Global University, Haryana, India, teaches public health, health economics, and development economics and the School of Government and Public Policy. He is part of the WHO Expert group of National Health Accounts in Asia and Pacific Region.



Dr. Kousik Samanta is an Assistant Professor in the School of Basic Sciences at IIT Bhubaneswar. His research is geared toward developing the theory and computational models to investigate electron-molecule scattering processes, and non-adiabatic effects in photochemical reactions in the upper atmosphere.



Dr. Subhayan Mandal is an Assistant Professor in the Department of Physics at MNIT Jaipur. Although his basic research area is in High Energy & Plasma Physics, his recent contribution towards developing fundamental models for measuring the quantitative success of lockdown in different provinces of India during the COVID-19 outbreak is conspicuous.



Date/Time	Title/Topic	Prospective Speakers
02. 07. 2020 (14:00-15:00)	Inaugural Address	Prof. Udaykumar R Yaragatti Director, MNIT Jaipur, India
02. 07. 2020 (15:00-17:00)	Pandemic and the Lockdown: Public Policy Choices to Safeguard Lives and Livelihoods	Dr. Indranil Mukhopadhyay Jindal Global University, Sonipat, India
03. 07. 2020 (10:00-12:00)	Modelling the Span of COVID-19	Dr. Kousik Samanta IIT Bhubaneswar, India
03. 07. 2020 (15:00-17:00)	Lockdown as a Pandemic Mitigating Policy Intervention in India	Dr. Subhayan Mandal MNIT Jaipur, India
03. 07. 2020 (17:00-17:30)	Feedback and Concluding Remarks	

Registration to the webinars is free but mandatory. An e-certificate of participation will be issued to the candidates attending all the sessions.

Contact: mnit.phy@gmail.com

Co-ordinators:

Dr. Subhayan Mandal, Dr. Kamendra Awasthi,
Dr. Manoj Kumar, and Dr. Debasish Sarkar

Register Here
Before 30-06-2020