

Ongoing Research Activities on COVID-19

Project area: [Data Analytics, AI to model epidemic patterns and disease dynamics](#)

Project Title: Webinars on COVID-19: Risk Management & Simulation Efforts.
Expected Outcome: This workshop is an attempt to provide answers for queries of the scholars to understand the COVID-19 spread trend and possible strategies for its containment.

Expected Timeline: 02-03 July.

Remarks: Students and scholars from any stream who are interested in learning about statistical analysis of spread of COVID-19 pandemic and strategies to restrict its spread can join the webinars. Identified officially as SARS-COV-2, or colloquially as novel corona virus, 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. This workshop will objectively underscore that data is both a powerful armament, to fight epidemics, and a potent shield in the line of defence, 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 epidemic and modelling them in two different computer languages, including python & R. This workshop will deal with basics of these tools, data processing and analysis. Further information will be provided before/during the training sessions. **The registration to the workshop is free but mandatory.** See URL for registration to the webinars.

URL:https://docs.google.com/forms/d/e/1FAIpQLScGNcxFU8cg7Tq-5Uk-Ceaj5J8OFKL_fUL4gWYrN4ggYQqfeg/viewform?usp=pp_url

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