



A Study on Control of Novel Corona-Virus (2019-NCoV)

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EDITORIAL NOTE

The Current Novel Coronavirus (nCoV) outbreak, COVID-19, was first reported in December 2019 in Wuhan, China has spread everywhere the planet causing startling loss of lives, stalling the worldwide economy and disrupting the social life. One of the challenges to contain the COVID-19 is making people adopt personal hygiene, social distancing and self-quarantine practices which are all related to Knowledge, Attitude And Practice (KAP) of the people in respective countries. Bangladesh, the foremost densely populated countries with a fast-growing economy and moderate literacy rate, has shown many hiccups in its efforts to implement COVID-19 policies.

Modeling the prevalence and control of corona-virus (2019-nCoV) and the impact of state actions using control engineering methods.

The truth is that it isn't getting to end any time soon. We have to find out to measure with it keeping in mind the required precautions to be followed. The disease will still infect people round the world, but with time it'll become milder (most likely) like all seasonal flu. A vaccine which can likely be launched within the next year will ultimately make us resistant to the disease and stop the other wave to emerge.

But honestly i feel we could have or we will atleast manage to scale back the spread by understanding our responsibility. There are still many stupid people around who believe corona is a joke.

With quite 37 million Covid-19 cases globally, quite 1 million of which are fatal, the worldwide pandemic has changed our lives beyond recognition. And as we're on the brink of approach the second viral wave, everyone has become witness to the grim reality. Except for the virus deniers who either see it as a conspiracy theory or think that it's some quite joke "simple" people, such as you and me, fell for. It's both scary and hard to wrap one's head around how ignorant a number of us are often, and below are the foremost recent examples that are surfing around on social media.

Perhaps the biggest issue that the healthcare community faces is that 80% of COVID-19 patients do not have any symptoms. Only 15% of the infected develop severe symptoms and 5% become critical. It is just these 20% of coronavirus patients that require care within the hospital.

The findings of this study use control methods and forecasting in control engineering to provide a clear picture of macro-decisions for different governments in the field of infectious diseases.

Management and control schemes such as travel restrictions, quarantine, social distance and closure of offices, higher education institutions must be implemented immediately to prevent major economic and social losses. The implementation of these restrictions should not be delayed during the outbreak of corona-virus (2019-nCoV) infectious diseases.

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