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"An exponential curve is difficult for both comparison and prediction"- Dr Pradipta Biswas

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Dr Pradipta Biswas, Assistant Professor, Centre for product design and manufacturing, Indian Institute of Science, Bengaluru talks about his contribution to the ongoing COVID-19 situation



"An exponential curve is difficult for both comparison and prediction as it has a vertical asymptotic trend to infinity. We have developed a website that automatically divides the duration of spread of the disease based on rate of increase in new cases, and shows a set of three graphs which are easier to interpret and extrapolate than a single exponential graph. The shape of the graphs (like linear, parabolic or exponential) can be compared at different stages and countries with respect to the average number of new cases and deaths and used to: undertake comparative analysis among countries; automatically detect and compare phases of spread across different countries; and prevent spread by taking examples from other countries."

- **Dr Pradipta Biswas, Assistant Professor, Centre for product design and manufacturing (CPDM), Indian Institute of Science, Bengaluru**