

30th April, 2020

IITBBS builds unit to disinfect PPEs

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Bhubaneswar: IIT Bhubaneswar has developed a simple, yet effective UVC disinfection chamber to sanitise personal protective equipment (PPE) of medical staff, electronic gadgets, garments, packets and other possible fomites.

After keeping the equipment inside the chamber, it will be exposed to the right dose of ultraviolet (UV) light and get disinfected within 15 minutes. R V Raja Kumar, director of IIT Bhubaneswar, has designed the machine.

Srinivas Bhaskar Karaniki and DP Dogra, faculty members from the school of electrical sciences, made and tested the instrument along with the help of their two re-



The disinfection chamber

search scholars — Pratik Kumar Kar and Shreetam Behera. Two disinfection chambers of different sizes have been made by the institution. Raja Kumar said the principle behind making this device was simple. "Currently, the equipment is designed according to the the behavioural results of SARS Cov-1 virus that had affected people in 2003. It is expected to work for SARS-Cov-2, which causes Covid-19, in the same manner" he added.