

**Proposals on Product Development towards Combating COVID 19 Outbreak  
An Initiative from IIT Kharagpur**

**Category: Sanitization**

**Title:** Smart Antiviral Coating - Easy to use and more efficient material than conventional detergent and alcohol-based sanitizer. It may be effective for different related SARS and MERS viruses other than COVID-19.

**Expected Outcome:** Important material as specialty coating, fluidized material which will be used to combat the SARS viruses other than COVID-19.

**Expected Timeline:** 24 months (bit longer due to testing and analysis procedure for which we have to depend on other labs and Institute).

Remarks: Funding required for Rs. 50 lakhs (It includes manpower of an SRF and/or RA, consumables, accessories, spares of the existing equipments, travels for discussions and testing of the samples and contingency)

**PI Details:** Prof. Nikhil K. Singha, Prof. Mahitosh Mandal, Prof. Suman Chakraborty, Prof. Sudip Ghosh; nks@rtc.iitkgp.ac.in; mahitosh@smst.iitkgp.ac.in; suman@mech.iitkgp.ac.in; sudip@bt.iitkgp.ac.in