

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

Category: Personal Protective Care and Equipment

Title: A Hazmat Suit with Forced Purified and Cooled Air Circulation for Medical Professionals

Expected Outcome: A hazmat suit that provides complete safety and added comfort not known to be present in any existing suit. Air circulation within the body would add comfort as it would evaporate the sweat and cool the suit interior without causing any contamination as the assembly will remain within the suit. The incoming air will be completely free of any pathogen and residual chemicals ensuring safety and comfort of the wearer.

Expected Timeline: upto 18 months

Remarks: Funding required - Rs. 25.00 Lakh

PI Details: Dr. Manoj Kumar Mondal, manoj@see.iitkgp.ac.in