



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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DEPARTMENT OF PHYSICS

Desruptive innovative product

Low Cost - UV-C Lamp Dry Sterilizer/Sanitizer to disinfect non-wettable items like currencies, groceries, electronic gadgets, bags, N-95 masks etc.,

Items needed: empty card board box, Philips-UV-C Lamp, Choke, Aluminium foil, glu, metal mesh

Principle and make: During this Covid-19 pandemic, it is important to disinfect non-wettable items like currencies, groceries, electronic gadgets, bags, N-95 masks etc. so we use UV-C germicidal lamp to disinfect effectively from all types of bacteria, viruses including Covid-19. The aluminium foil inside the box will help to reflect the light again and again so that all sides of the non-wettable item get disinfected. This is low cost and it will be affordable to all type of populations. The setup is shown in below figures

