



ACADEMICS
FIGHTING PANDEMICS
#NUSTonTheFrontlines

NUST
Defining futures

NCRA
NATIONAL CENTRE OF
ROBOTICS & AUTOMATION



AERIAL SPRAYING
UNIT FOR
DECONTAMINATION



Assessing the gravity of situation that has unfolded due to the pandemic COVID-19, and to contain its spread without human exposure to high-risk areas and localities, a team of scientists at the Robot Design & Development Lab, National Centre of Robotics & Automation (NCRA), at the NUST College of Electrical & Mechanical Engineering (CEME), have assembled and deployed **AeroN** – a tele-operated aerial spray unit, retrofitted for fighting the virus's outbreak by disinfecting critically important surroundings and locations. *The tele-operated drones are designed such that the flight is characterised by precision.*

TECHNICAL & PERFORMANCE SPECIFICATIONS

Parameters	Description	Parameters	Description
Control Mode	Wireless	Travelling Speed	5 km/hr
Flight Options	Tele-operated/Autonomous	Area Coverage	2 acres/15 minutes
Flying Time	18 minutes	Spray Fluid Tank	10 ltrs

BENEFITS

- High precision spraying capability
- Effective coverage of large and small spaces (both opened & closed)
- Reduces risk of human exposure to virus due to remote operation
- Smart & portable design

APPLICATIONS

- Disinfection of public places such as open-air quarantine camps, railway stations, bus stations, commercial areas, neighbourhoods and more
- Pest control for sustainable agriculture
- Industrial fumigation



DECONTAMINATION SERVICES

Call us for decontamination of all types of open and closed spaces.

Contact

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