



ACADEMICS

FIGHTING PANDEMICS

#NUSTonTheFrontlines

NUST
Defining futures



**NATIONAL CENTRE OF
ROBOTICS & AUTOMATION**

N-ROVER
The Difference is Technology

TELE-OPERATED DECONTAMINATION ROBOT



Recognising the need to adopt preventive measures as the world sails through uncharted waters of COVID-19, scientists at the Robot Design & Development Lab, National Centre of Robotics & Automation (NCRA), at the NUST College of Electrical & Mechanical Engineering (CEME), have indigenously developed **N-Rover** – tele-operated decontamination robot. It is designed with the exclusive feature of finding its course through hard terrains to decontaminate localities without physical human intervention. *The sophisticated unmanned ground vehicle is engineered so that technology makes a difference.*

TECHNICAL & PERFORMANCE SPECIFICATIONS

| Parameters | Description |
|------------------|-----------------------------|
| Control Mode | Wireless |
| Drive Options | Wheels/Track |
| Range | 300m in Line of Sight (LOS) |
| Travelling Speed | 8 km/hr |

| Parameters | Description |
|------------------|-------------|
| Turret Rotation | 360 Degrees |
| Battery Backup | 1.5 hrs |
| Camera Feedback | 2 cameras |
| Spray Fluid Tank | 16 ltrs |

BENEFITS

- Modular design
- Reduces risk of human exposure to virus due to remote operation
- Remotely controlled from 500 metres

APPLICATIONS

- Disinfection of closed spaces such as airports, hospitals, quarantine camps, malls, office and residential buildings, and other public places
- Disinfection of open spaces such as open-air quarantine camps, railways stations, bus stations, commercial areas, neighbourhoods, and more

N-ROVER

DECONTAMINATION SERVICES

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

To access off-road and difficult terrains, tracked version of N-Rover is also available

Contact

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