

# IIT-I's new device can disinfect air, paper

TIMES NEWS NETWORK

**Indore:** The Indian Institute of Technology (IIT), Indore on Monday donated UV disinfection facility to primary health centre and Simrol police station.

The institute has developed an UV disinfection facility consisting of an arm and a box that uses Ultraviolet-C (UVC) lamps for disinfection. UVC radiation is a known disinfectant for air, water, and nonporous surfaces.

The institute claimed that the facility developed in institute's workshop using UVC radiation may also be effective



One of the devices was donated to Lasudia police station on Monday

ve in inactivating SARS-CoV-2 virus. The arm of the facility is designed to disin-

fect a room of around 100 sq ft in around half an hour while the box is designed to disin-

fect papers and other materials in one minute approximately, claimed the institute.

The spokesperson of the institute said, "Primary health centres and police stations have large inflow of papers and materials and in view of the prevailing pandemic situation, the UV disinfection facility will be of immense use. The institute has extended its help to them in fighting pandemic."

The institute is working on a series of research to develop tools to combat spread of Covid-19 and effective diagnosis. The institute in collaboration with other agencies

engineered a pseudovirus-based Covid-19 vaccine that is currently under trial at National Centre for Cell Science, Pune.

Researchers at the institute are working on developing customized 3D printed reusable masks having reusable filters and straps, an optical temperature sensor for sensing the body temperature. The institute is also involved in cross boundary research where researchers from six countries India, Norway, Sweden, US, France and Denmark are also working on 'Stopping Covid-19 Pandemic' project.