



शासकीय वैद्यकीय महाविद्यालय, नागपूर  
GOVT. MEDICAL COLLEGE, NAGPUR

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क. महाविद्यालय

90263

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**TO WHOMSOEVER IT MAY CONCERN**

**Letter of Appreciation**

I, the undersigned, Dr. Avinash Gawande, Superintendent, Government Medical College & Hospital (GMCH), Nagpur is hereby declared that, the patented Mortuary Cabinet by the inventors

1. Dr. Sanjay J. Dhoble, Professor, Department of Physics, R.T.M. Nagpur University, Nagpur;
2. Dr. Nilesh M. Mahajan, Professor, Department of Pharmaceutics Dadasaheb Balpande College of Pharmacy, Nagpur and
3. Dr. Nirupama S. Dhoble, Professor, Department of Chemistry, Sevadal Mahila Mahavidhyalaya, Nagpur

have donated the first unit to us on Tuesday, 25th August 2020 on 12:00 noon at Dean Office, GMC, Nagpur. The unit is really very effective in surface sanitization of wrapped dead bodies of COVID-19 diseased person. It is nicely designed and constructed to make it user friendly to avoid the exposure of UVC light to operators, M/s, Nishad Industries, Additional MIDC, Nandagaon Peth, Amravati has really done exceptional work for transferring the technology and manufacturing the patented Mortuary cabinet. On behalf of entire GMC COVID-19 task force and officials, I congratulate and owe sincere regards and express my deep sense of gratitude towards the inventors and the manufacturer.

Thanks and appreciation to all three inventors for kind support to Government Medical College (GMC), Nagpur.

(Dr. Avinash Gawande)  
Medical Superintendent  
Govt. Medical College & Hospital,  
Nagpur

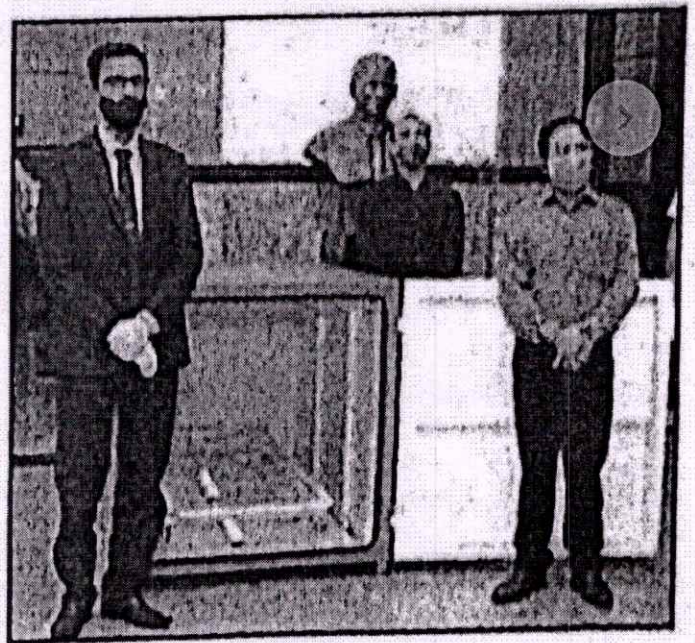
**DR. AVINASH GAWANDE**  
MEDICAL SUPERINTENDENT  
GOVERNMENT MEDICAL COLLEGE  
AND HOSPITAL, NAGPUR

# 3 from city design unit to sanitize dead body

**Vaibhav.Ganjapure**  
@timesgroup.com

**Nagpur:** Three researchers led by a Nagpur University professor have come up with an innovative design of a mortuary cabinet for disinfecting Covid-19 bodies using ultraviolet (UV) radiation so as to eliminate the risk of infection to handlers like health workers and family members.

According to them, this would help in removing the fears in the minds of family members and health workers while touching the bodies and last rites could be performed properly without any stigma. With the number of



Researchers say it will help in carrying out last rites of deceased without fear

Covid deaths increasing rapidly in the city, the mortuary box would help in proper disposal of the bodies.

► Donated to GMCH, P 4



Mahajan  
today at 11:41 am

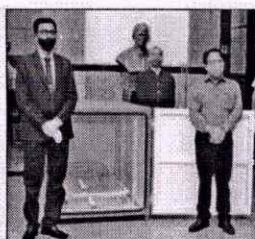


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### First body sanitizer unit donated to GMCH

► Continued from P 1

This newly prepared body sanitizer unit is made of stainless steel and equipped with UVC lamps having 200 NM to 280 NM wavelength. A body can be sanitized after switching on the UVC lights for 15 minutes, eliminating SARS-CoV-2 virus. This will end the social stigma associated with the Covid bodies, as many don't even perform last rites of their loved ones out of fear," said Sanjay Dhoble, professor in NU's department of physics.

Professor in Dadasaheb Balpande College of Pharmacy Nilesch Mahajan and lecturer with Sevadal Mahila Mahavidyalaya Nirupama Dhoble are the other team members which designed the sanitizer unit.

According to the trio, it is a challenging task for health workers to handle Covid bod-



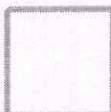
Nilesch Mahajan (from left), S Dhoble and Nirupama Dhoble

ies. "All Covid-19 bodies are potentially infectious. Most likely violations are not wearing a mask, gloves or not taking proper safety measures. It's very difficult to educate people or make them aware of proper precautionary measures," they said.

The sanitizer unit has been patented. Researchers have transferred this technology to Nishad Industries situated in MIDC at Nandgaonpeth in Amravati to manufacture the mortuary cabinet.

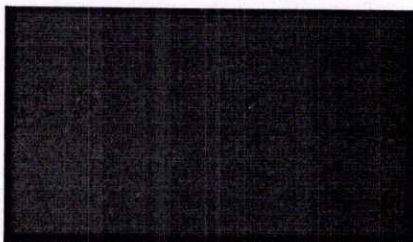
The trio donated the first unit to GMCH in the presence of Nagpur University VC Subhash Chaudhary and dean Dr Sajal Mitra.

Full report on [www.toi.in](http://www.toi.in)





Mahajan  
today at 11:41 am



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### Researchers develop novel UV mortuary cabinet

By Shalini Choudhary

Researchers at the Government Medical College, Mangaluru, have developed a novel UV mortuary cabinet to disinfect and store bodies of COVID-19 patients. The cabinet, which is made of stainless steel and has a UV light source, is designed to kill the virus on the surface of the body. It is also equipped with a lock and a viewing window. The cabinet is expected to be used in mortuaries and hospitals. The researchers also plan to develop a similar cabinet for other infectious diseases.



**Dr. Anand Mahajan**, Head of the Department of Forensic Medicine, Government Medical College, Mangaluru, said, "This novel cabinet is a significant step towards ensuring the safety of the public and the health care workers. It will help in the timely disposal of the bodies of COVID-19 patients and prevent the spread of the virus. We are confident that this cabinet will be widely adopted in other parts of the country."



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#### CORONAVIRUS

