

## JHARKHAND

### **APPLICATIONS OF ROBOTICS -**

Co-Bots have been deployed to minimize interaction between ancillary health workers/paramedical staff and COVID patients. In COVID hospitals, Co-Bots deliver medicine, food and water to patients with a reduced risk of infection spread. Developed at Rs. 25000 per Bot with a carrying capacity of 45 Kg, Co-bot machines can be operated with a remote within a 200 feet range. Co-Bots are fitted with a Wi-Fi camera and microphone, and can move freely and operate remotely for two-way communication. They are waterproof, easy to sanitize, and fitted with an ultrasonic obstacle warning system. Doctors using co-bots can monitor patients remotely and pass on necessary instructions through a microphone. Cameras also keep a vigil on the interaction between patients in isolation wards. Medical personnel can view through the camera installed in the robot if the patient picks up the correct medicines or not. The speaker enables staff to communicate with the patient who can air their grievances through the speaker and microphone. ‘

### **DRIVER AND TRANSPORT SAFETY CAMPAIGN -**

A Driver and Transport Safety Campaign was announced by the state government in May 2020 for providing COVID prevention related information to drivers, vehicle owners and the general public. The campaign was implemented by the Jharkhand State Transport Department. A guide was issued that emphasized the need for using face covers, maintaining physical distance, washing hands regularly and sanitizing vehicles.

### **MEDICAL SUPPLIES -**

Ranchi initiated local production of masks and sanitizers, at significantly lower prices compared to the national ceiling, through collaboration with SHGs and industry.

### **HIGH RISK MANAGEMENT -**

A dedicated COVID-19 dialysis centre was established to cater to the requirements of high-risk patients on dialysis, in containment zones, in particular. A serological survey was conducted that focused on high-risk and vulnerable groups, including the immuno-compromised, people living in containment zones, health workers, security personnel, media personnel, industrial workers, farmers and vendors visiting large markets, drivers and municipality workers, bank personnel and people living in prisons. The survey included 240 samples from

each of the 6 clusters across ten districts and 260 samples from each of the 13 high-risk groups across the ten districts.

### **HELPLINES -**

A variety of helplines were set up to connect citizens with relevant government departments for addressing issues related to mental health, child abuse and domestic violence, among others. A dedicated 24×7 helpline was also set up for pregnant women to facilitate issuance of e-passes as well as ambulance and hospital linkages. Further, specific helplines were launched for containment zones so that concerns could be resolved locally.