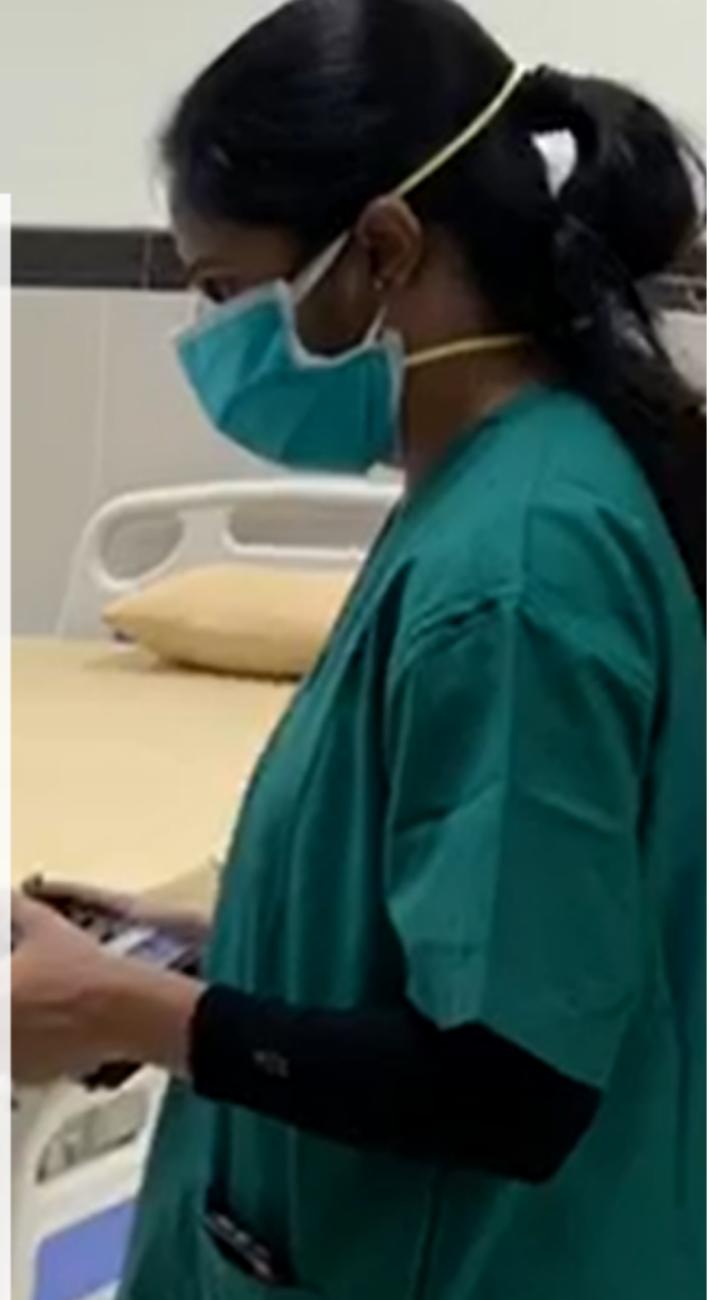
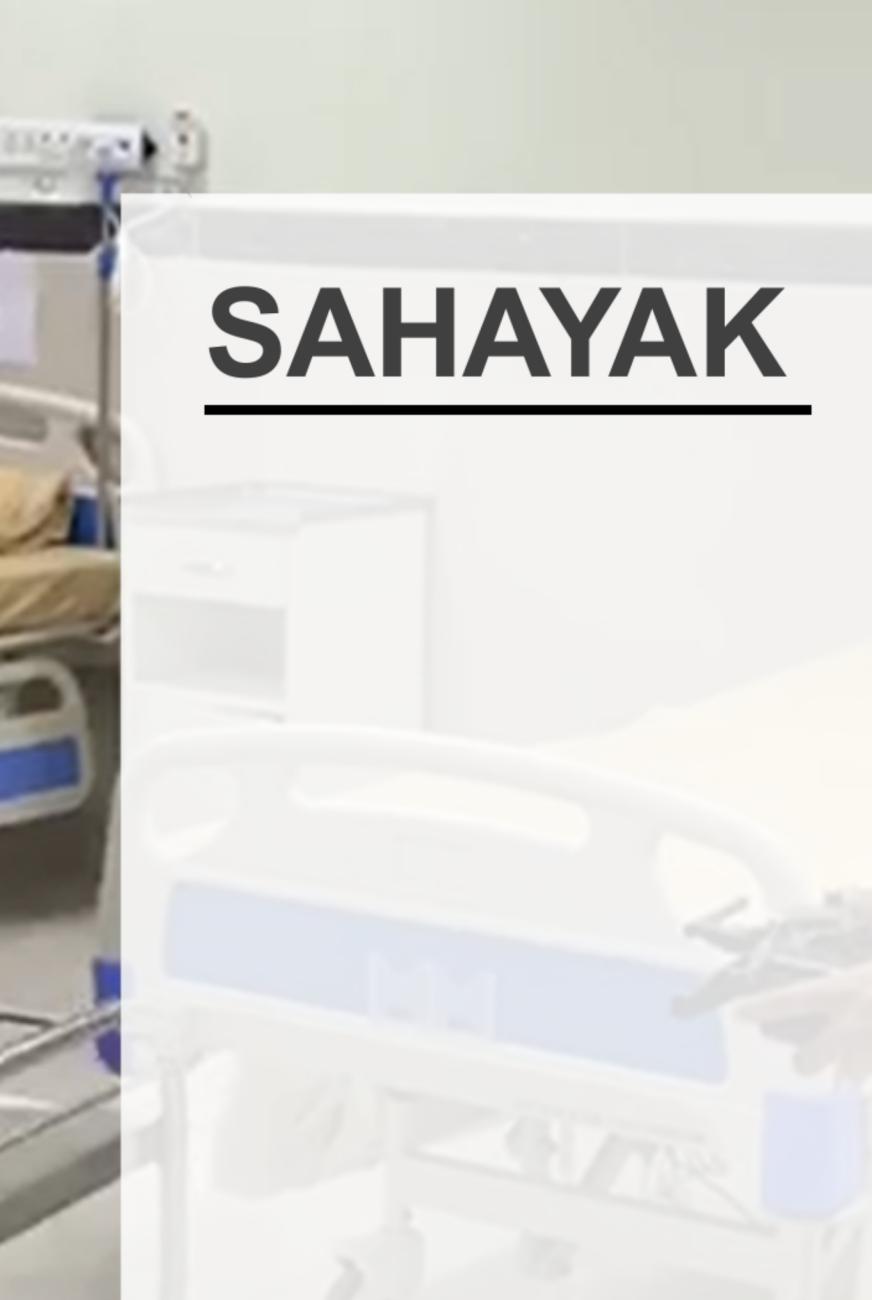
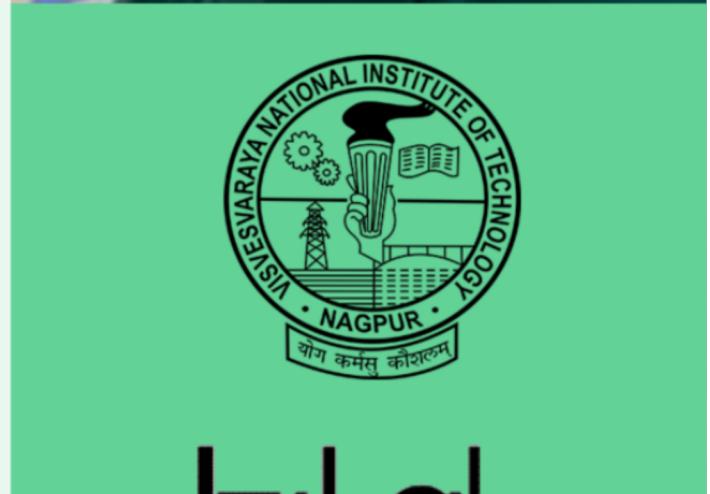


SAHAYAK



Product Portfolio

IVlabs, VNIT



IVLabs

Sahayak

Helping you in the time of need

At IvLabs, we have been developing innovative robots for more than 6 six years. Our goal is to advance novel robotics technology with a goal to further human knowledge and design innovative impactful robotics/electronics technologies. IvLabs has filed for multiple patents ranging from Bipedal Snake Robots to Assistive Devices for the Blind.

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt."

At IvLabs, we believe that robotics can play a crucial role in alleviating the issues faced by the medical community during this crisis. Covid-19 is a highly contagious disease which requires quarantine. Sahayak can help the medical personnel deliver essentials to patients in quarantine wards. It can also assist them in remotely performing bedside rounds. The use of Sahayak will not only safe guard doctors and nurses by minimizing contact, but will also save personal protective equipment.

A Complete Contactless Solution

All in One Solution

Shayak provides all the necessary capabilities to carry out remote care for Covid-19 patients under quarantine. Shayak integrates a two-way audio/visual system on a drivable platform to enable online bedside rounds. Integrated shelves allow the delivery of food and medicines without entering the room.

Easy to Use

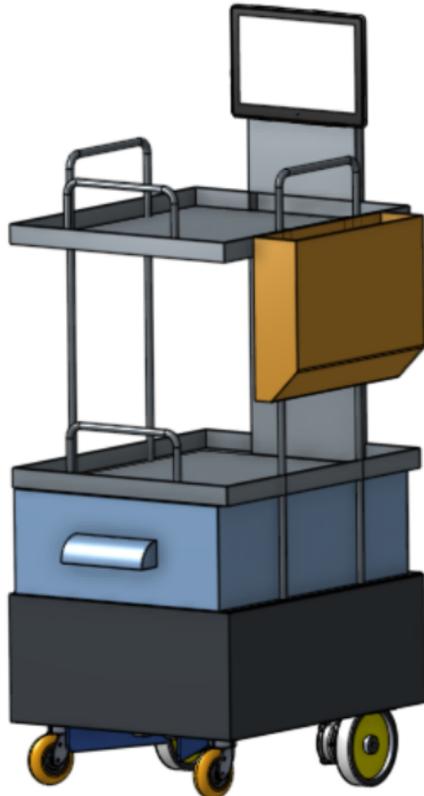
Shayak is specially designed with rapid deployment in mind. Sahayak's Android app based remote controller infrastructure reduced the time required to train medical personnel. Our intuitive UI uses elements of commonly used video calling applications, enabling the user to use the robot seamlessly from the very beginning.

Customizable

Shayak's innovative modular design enables the user to configure the base system to their use case. Sahayak integrates all the electronics in the base of the robot leaving the user to choose the configuration of shelves, drawers, waste baskets etc.

Easy to Clean

Sahayak's stainless steel design makes it easy to clean using regular clinical disinfectants.



Designed to meet your needs

Cost-effective Care

Sahayak is carefully designed to meet all your quarantine requirements while simultaneously providing an attractive cost proposition.

- Long-lasting battery capacity: With 3 hours battery life, Sahayak can service multiple wards on single charge.
- High resolution audio/video interface: With its 5 Mega pixel camera, Sahayak can provide a clear video feed to assess patient condition.
- Local Network Infrastructure: Never worry about unreliable connection or data costs with Sahayak's local networking capabilities.
- Easy to Connect: With Sahayak's out of band paring capability, connecting with the robot is as easy as scanning a QR Code.

These features truly make Sahayak a helpful Robot.

General Specifications

Payload	10 Kgs
Battery Life	3 Hours
Connectivity	Wifi
Range	10 meters
Extendable Range	100 meters
Communication	2-Way Audio/Video
Video Resolution	1080p
Speaker Audio Level	70 dB
Emergency Stop	Available on Robot
Remote Emergency Stop	Available in Android App

