

Virtual Doctor Robot

Doctors are usually needed to work at every hospital and emergency centre every now and then. But it is not feasible for every doctor to be available at every place at desired time. The problem with video calling is that video calls need to be done from a PC or laptop on a desk. This limits the doctors capacity to view patient or around operation theatre at will or even move through hospital rooms as needed.

To help solve this issue we here develop a virtual doctor robot that allows a doctor to virtually move around at a remote location at will and even talk to people at remote location as desired. This robot provides a whole lot of advantages for doctors:

- Doctors ability to be at anyplace anytime
- Doctors can move around in operation theatres
- Doctors can move around the patient with ease
- Doctors can see medical reports remotely via video calls
- Doctors can move around in other rooms at will
- The robot also includes a mounting to hold a mobile phone or tablet.
- The mobile or tablet is used to hold live video calls.

- **Components**

- Wifi Module
- Pole Rod
- Phone or tablet
- mounting to hold a mobile phone or tablet
- Servo motor
- Remote XY APP.

- **For Rotating head with Raspberry pi "Bluetooth configuration "**

<https://linuxhint.com/setup-bluetooth-raspberry-pi/>
<https://howchoo.com/pi/bluetooth-raspberry-pi>

- **Setting up Raspberry Pi to control the Servo motor**

<https://www.section.io/engineering-education/how-to-control-a-servo-motor-using-a-raspberry-pi-3/>

Virtual Doctor Robot For Online Doctor Consultation "Video"

<https://www.youtube.com/watch?v=84kEuuLyFpA>

Front View



Side View



3D Views

