

CAHOTECH 2021 - Hospital Innovation

**TELADOC Health Robots @
Meenakshi Mission Hospital and
Research Centre
Madurai, Tamilnadu**

Problems Identified



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- Amidst outbreak of COVID-19, we treated largest Number of Emergency cases.
- The outbreak of COVID-19 instilled a fear in general public, Doctors and healthcare workers, to visit the hospitals.
- This resulted in a surge in patient inflow and the number of Doctors available were comparatively less, to tackle this problem we considered an array of technological solution in the current Health Care scenario on a Global Scale.
- High risk groups particularly elderly patients, pregnant women and Cardiac Emergency patients were easily affect to this infections.
- People from remote villages with limited access to transport and other healthcare facilities who needed immediate attention in case of medical emergencies like Heart attack/Chest Pain ,Seizures Etc putting them at higher risk of health complications.

What is TELADOC

- Founded in 2002, It is the first and largest provider of Telehealth medical consults, giving 24*7 access to quality medical care.
- The world's most advanced robotic teleconsultation platforms, called the Teladoc Health robots are transforming healthcare in many of the world's finest hospitals.
- These robots make it possible for doctors in different locations to collaborate, design and deliver multidisciplinary AI-powered treatment regimen.
- To fill the gaps caused by the pandemic and other problems recognised by the organisation, we found that **Teladoc Health Robots** is the one stop solution to resolve all these issues.

Teladoc Health Robots



MEENAKSHI MISSION
HOSPITAL & RESEARCH CENTRE
MADURAI



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6th Edition

CAHOTECH 2021



Salient Features of TELADOC

- Augments the diagnostic abilities of doctors and improve access, quality, and efficiency of healthcare delivery irrespective of their physical location.
- They have the ability to perform basic clinical examinations (such as checking blood pressure and heart rate) on their own, as instructed by the doctors.
- As IoT devices, the robots can collect and process data from other diagnostic equipment and present it to the doctors to help them make precise clinical decisions.
- Doctors from different disciplines, from all parts of the world, can come together to treat and monitor patients all the time from any place.
- The robots can also enhance patient relations, as they are fitted with cameras and display monitors to enable patient-doctor interaction.
- Our ambulances will also be equipped with Teladoc robots. Hence the Specialists can begin vital treatment even as critically ill patients are on their way to the hospital.
- Teladoc allows 6 Doctors from 6 different locations to connect virtually at a time to find the best possible solution.
- This facility can be availed in any part of the world.

Impact of TELADOC



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- More than 4000 patients have been Treated using **Teladoc** during the Covid crisis.
- Consultation and Critical cases can now be treated in the confines of ones home.
- Teladoc makes it possible for patients to have easy access to expert doctors through a virtual interface.
- Teladoc Robots have empowered our doctors to treat patients anywhere and anytime.
- Teladoc has helped reduce the doctors exposure to the virus as a result doctors are protected from potential infection.
- It helped increase the Productivity, Safety and overall efficacy of organization.
- **Teladoc** Robots are a substantial addition to the health care capabilities of MMHRC. This capability has helped us save many lives during the times of ongoing Pandemic.

- **Meenakshi Mission Hospital and Research Centre** is the First Indian health care institution to deploy the **TELADOC HEALTH CARE ROBOTS**.
- These robots have been installed in 6 of the world's best hospitals namely **Mayo Clinic - USA, Cleveland Clinic - USA, Massachusetts General Hospital - USA** etc.,
- MMHRC is further planning to implement **Teladoc** robots in conducting workshops and clinical training .
- The initiative was started At around June 2020 and was implemented in **COVID ICUs, COVID Wards, Ambulatory Services, Intensive respiratory care unit, Critical care medicine, emergency wards, Cardiology and nephrology** etc.
- Meenakshi Mission Hospital and Research Centre have deployed **16** mobile **Teladoc** Health Robots over the time.

Summing up, Meenakshi Mission feels proud to bring this cutting-edge technology to the people of Tamilnadu. Yet again we have proved that we are Always First and Always Best.

THANK YOU