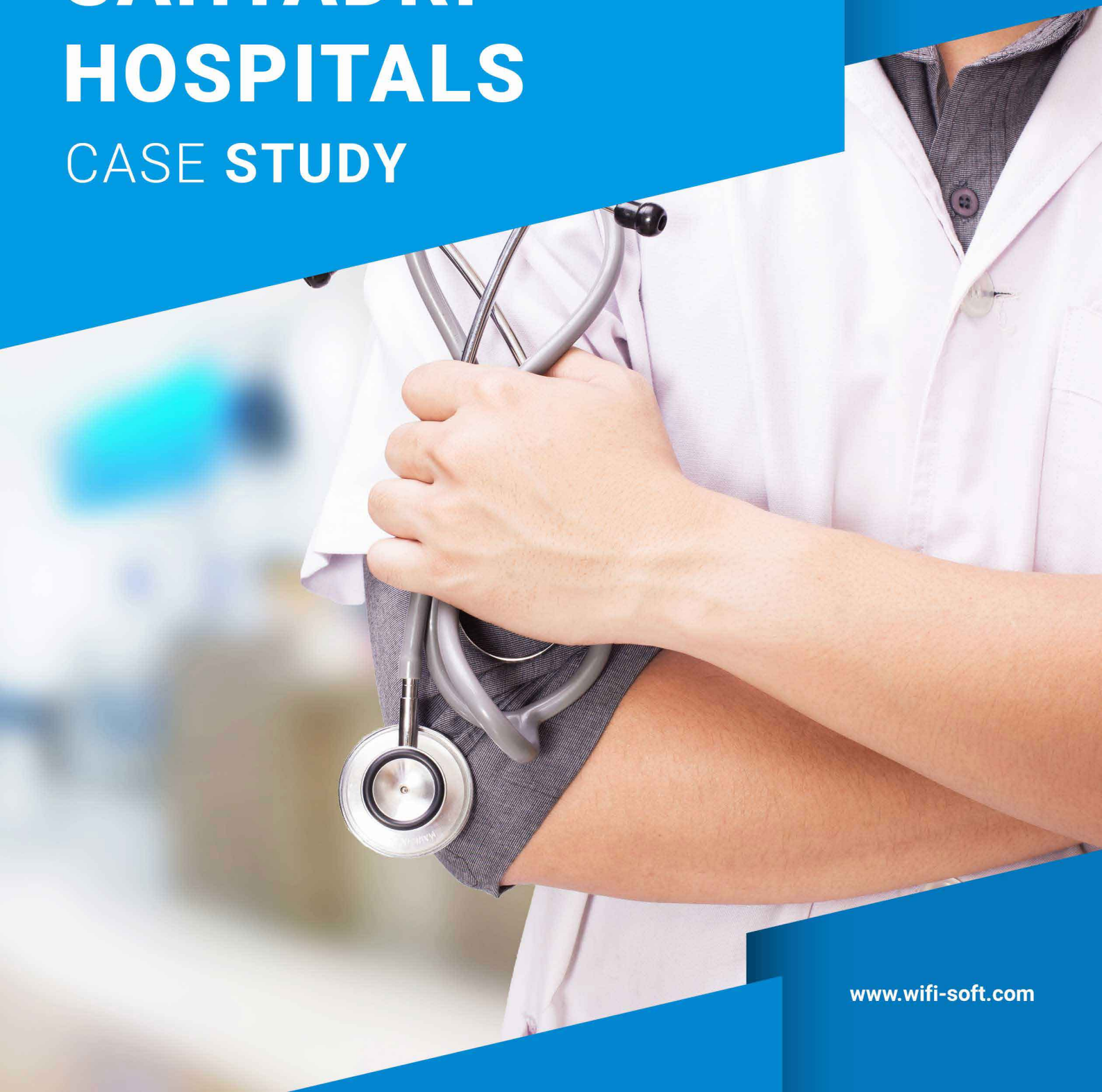


SAHYADRI HOSPITALS

CASE STUDY





OVERVIEW

Sahyadri Hospitals is one of Maharashtra's largest chain of hospitals. They had their first dedicated facility for Neurology and Neurosurgery treatment at their flagship Hospital in the Deccan Gymkhana in November 2004. Sahyadri Speciality Hospital also has facilities in haematology, oncology and oncosurgery, cardiology and cardiothoracic surgery, orthopaedics and joint replacement as well as a blood bank. They also provide 24 hr diagnostic services, laboratory services, and pharmacy services. They have a network of 9 hospitals in Pune, Nashik and Karad and their Deccan Gymkhana branch is ISO 9001 certified and an NABH accredited hospital.



REQUIREMENTS

The hospital needed an end to end solution that could be used to provide WiFi to both the patients and their visitors. The solution had to be easy to use and maintenance free. The requirement comprised of but was not limited to a network controller, access points, PoE switches, cabling and installation. As no other player in the market proved to be a One-stop-shop for the same, Sahyadri approached Wifi-soft for a solution.



HOW WE HELPED

- ▶ Reduced OpEx and CapEx
- ▶ Visitors were given access after registration (as per government guidelines)
- ▶ Easy tracking of number of users, bandwidth control, policy management and reporting
- ▶ Large volume of data to perform analytics
- ▶ Integrated BYOD support
- ▶ Simplified and centralized network management
- ▶ A reduction in network fault calls
- ▶ Ability to remotely control, monitor and troubleshoot
- ▶ Ubiquitous Wi-Fi coverage and stronger signal
- ▶ The ability to support high density environments with more concurrent users per access point
- ▶ Access point monitoring
- ▶ Proximity marketing

CASE STUDY SAHYADRI HOSPITALS

To stay abreast with the technological revolution in the healthcare industry, Sahyadri Hospitals joined hands with Wifi-soft to deliver seamless connectivity to its patients and their visitors.

Sahyadri is the brainchild of Dr. Charudatt Apte, a neurosurgeon, who is its Chairman & Managing Director. After the realization of his dream project, he built "Sahyadri Speciality Hospital" at Deccan Gymkhana Pune, in year 2004, the chain rapidly spread across Maharashtra. Today the chain has nine network hospitals with over nine hundred beds and 200 ICU beds. Currently they have more than 1000 clinicians along with 2300 supporting staff. Sahyadri Hospitals has touched the lives of more than 50 lakh people by providing quality care.

2

CASE STUDY

SAHYADRI HOSPITALS



Unibox U200 Network Controller



UniMax 310AC Access Point

With the advent of improvements in both technology and medicine, it is no coincidence that the healthcare sector has started to explore ways of adopting the said technology. Today a majority of life saving procedures can be automated. Even Wifi has a big role to play in these advancements. The WiFi industry in Healthcare was estimated to be approximately 1.5 billion in 2016, and this has only been growing since then. As more and more hospitals adopt newer ways to improve their facilities the usage of WiFi to help them in doing so has also increased drastically.

Sahyadri Hospitals wanted to implement a pervasive wireless connectivity that was easy to use and manage. They also wanted to go for an end to end solution provider to facilitate a hassle free deployment. As there is no player who provides such a solution, they reached out to Wifi-soft to solve this problem.

Wifi-soft deployed a state-of-the-art controller that could be managed by a single dashboard and could track bandwidth usage, manage policy control and integrate the billing. Our access points were also deployed along with PoE switches.

The benefits of the solution were as follows,



Customised captive portal



Visitors were disconnected after a set period of time



Single dashboard to control all the hospitals under the brand



A MultWAN setup was done to assimilate bandwidth from 2 service providers and distribute it without a glitch



Access points can be managed with the same controller



Fault calls due to inefficient bandwidth usage and distribution were nullified



Bandwidth for the staff and the patients were distributed at a pre-defined speed.



The billing was integrated with the WiFi



BYOD support



The management could manage and troubleshoot any minor defaults remotely

3

CASE STUDY

SAHYADRI HOSPITALS



Fewer access points were required as each access point had the ability to support a larger number of users



Patient and visitor data was maintained for record keeping and reminders for future check ups



The cost of deployment was reduced



Data was available for performing analytics



Visitors had to register before they were allowed to access the internet. This is in compliance with DOT guidelines.



Proximity marketing could be done with ease

After the deployment, Sahyadri Hospitals recorded an increase in the satisfaction of both the patients and the care givers. The hassle of operating such a large network was negated and the need to hire additional staff to manage the same was eliminated.

Excerpts

<http://www.healthcarebusinessstech.com/hospital-wireless-network/>

Citation

<https://www.itproportal.com/2015/06/13/how-wifi-changing-healthcare-industry/>

https://en.wikipedia.org/wiki/Sahyadri_Hospital

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“ I have seen very few hospitals that have Wifi. My brother and I came here for a routine check up. It usually gets very boring while waiting for doctors, and we tend to procrastinate getting the check ups done due to the same reason. It is good that Sahyadri decided to install Wifi for its patients and staff. We could easily access the Wifi and had something to do while we waited.

- Simran Kaur
Patient review



4