IoT and Virtual Hospital Industry:Global IoT Enabling NextGeneration Virtual Hospitalaa

The
healthcare industry is embracing new digital technologies at a rapid pace to improve patient outcomes and transform the delivery of care. Internet of Things
(IoT) powered solutions are connecting medical devices, integrating telehealth
capabilities, and enabling new care models like virtual hospitals that remove geographic barriers. By 2023, IoT healthcare spending is projected to reach $217 billion globally as innovations reshape every aspect of the patient experience from diagnosis to long-term wellness.

Connecting Medical Devices with IoT and VirtualHospital Industry

At the core of Global
IoT and Virtual Hospital is their ability to remotely
monitor patients anytime from anywhere. This relies on medical devices being
networked and sensors wirelessly transmitting vital sign data in real-time to the cloud for analysis. IoT is enabling a wide range of devices from blood pressure cuffs and glucose monitors to EKG and pulse oximetry equipment to
seamlessly integrate with electronic health records systems. Doctors can easily
access streams of patient data via mobile or web applications to track recovery, identify issues early, and proactively adjust care plans as needed from a distance. For example, IoT enabled ventilators allow respiratory therapists to monitor lung function remotely for COPD and asthma patients at
high risk of exacerbations.

Delivering Telehealth at Scale

One of the key benefits of IoT powered virtualhospitals is their ability to provide telehealth services to many more patientsacross broader geographies.
Instead of relying on in-person clinic or hospital visits which can be time-consuming and costly for those in remote areas, IoT infrastructure facilitates real-time video consultations, remote patient monitoring, and live specialist evaluations anytime via mobile or web. This improves access to quality care for underserved communities worldwide. Leading health systems are
implementing IoT ecosystems that seamlessly integrate telehealth capabilities
like virtual check-ins, remote patient monitoring, and medical device data straight into their telemedicine portals and workflows. The Doximity platform, for example, connects over 560,000 physicians virtually to deliver telehealth at an unmatched scale.