BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Dozee receives US FDA clearance for contactless vital signs measurement technology

21 December 2022 | News

A pioneer in contactless remote patient monitoring systems, a Made in India technology with global standards



Bengaluru-based startup Dozee (Turtle Shell Technologies) has announced its proprietary contactless vital signs (VS) measurement technology has received US FDA 510(k) clearance.

Dozee's proprietary contactless sensor sheet is placed under the patient's mattress to capture micro-vibrations produced by every heartbeat, respiration cycle, and body movement, using 'Ballistocardiography'. The Dozee pod placed next to the patient's bedside converts the vibration data into encrypted digital signals. These signals are converted into vital signs like Heart Rate, Respiration Rate, Body Movements, etc. using proprietary cloud-based algorithms. The vital sign data is presented on cloud-enabled remote monitoring dashboard to healthcare providers.

With its vision of 'Make in India, Made for the World'—Dozee's innovative technology aims to bridge the healthcare gaps in India and emerging markets like Africa and South East Asia.

Contactless remote patient monitoring can transform healthcare in India and globally. It can help to reduce workload and improve efficiency by enabling them to remotely and continuously monitor multiple patients with clinical accuracy at once. Along with enhanced patient safety, contactless remote patient monitoring can enable the digitalisation of vital data and drive operational efficiencies, especially with the growing shortage of nursing staff.