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vTitan launches AI-powered cardiac monitor vCardio

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vTitan Corporation, a MedTech company focused on innovative healthcare solutions, has announced the launch of vCardio, a single-lead, wearable point-of-care cardiac monitor.

The device is entirely designed and manufactured in India, making vTitan one of the first companies in the country to deliver an end-to-end solution from hardware to cloud-based AI analytics in the health-tech space.

vCardio has been engineered to provide smart, continuous monitoring for early detection of cardiac events and vigilant post-surgery care. With this launch, the company aims to make point-of-care services more accessible for patients and clinics.

“The cardiac monitoring market faces a critical gap," said Prasad Maganti, CEO, vTitan. "There is an unmet need for point-of-care cardiac screening at ambulatory clinics, for continuous monitoring in pre-and-post-surgical step-down environments, and for prolonged home-based monitoring in cardiac risk patients. When we built vCardio, an edge-AI-enabled cardiac monitor, from ground up keeping clinical work flows in mind, , our aim was to meet this market need, and make cardiac care safer, smarter, and more accessible.”

vCardio is a lightweight, compact point-of-care cardiac monitor designed for remote patient monitoring in homecare, geriatric care, and clinical settings. With Bluetooth connectivity, the device integrates seamlessly with the vCardio mobile app and software platform. Its lightweight construction ensures patient comfort during extended wear periods, supporting continuous monitoring throughout post-care recovery.

The device employs AI-powered algorithms to detect and classify over 20 clinically significant cardiac arrhythmias in real-time as well as in the post-recording analysis of cardiac data over the course of a week. With clinically-validated accuracy, and beat-to-beat analysis, vCardio empowers healthcare professionals with faster, more precise rhythm insights, enhancing diagnostic confidence, streamlining clinical workflows, and improving patient outcomes.