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## Kerala Institute of Medical Sciences

*Proof-of-concept study at a prestigious Indian medical centre shows how a new patient monitoring and digitisation system will allow Indian healthcare providers to leapfrog a generation of expensive bedside technology, increase efficiency and improve patient safety and outcomes.*

**T**he pilot study at the Kerala Institute of Medical Sciences (KIMS) demonstrated the use of the Patient Status Engine (PSE), a continuous real-time vital sign patient data acquisition and analysis platform, to assess how beneficial it was to hospital staff and patients, and to see if it would allow providers in India to be able to move into the next generation of digital, data driven patient care.

The proof of concept study was carried out in KIMS over a period of three weeks, doctors from the nephrology and cardiology units selected patients in a step down unit with varying medical conditions to take part in the trial. Patients were fitted with the clinically certified wireless wearable sensors that are included in the PSE. The patients in the trial were also monitored with traditional bedside equipment which gave a comparative view to the doctors attending the patients.

*The study proved that the CE marked devices could provide early warning scores and other quantitative measures to enhance clinical practice and improve patient outcomes in other healthcare systems. It also showed that the PSE would be a viable and affordable alternative to standard patient monitoring equipment, with the additional benefit that patients could be ambulatory or even at home.*

**T**he data collected from the Lifetouch and other devices was visible at all times to the doctors and clinicians and this enabled them to use these vital signs to assess the condition of their patients. Doctors working on the pilot study found that the PSE was an effective way to monitor patients' vital signs across the network.

