



SMART MAT

Harnessing technology to monitor patient's vital signs and conditions remotely and maximize patient comfort, while improving the productivity and quality of care by healthcare professionals.



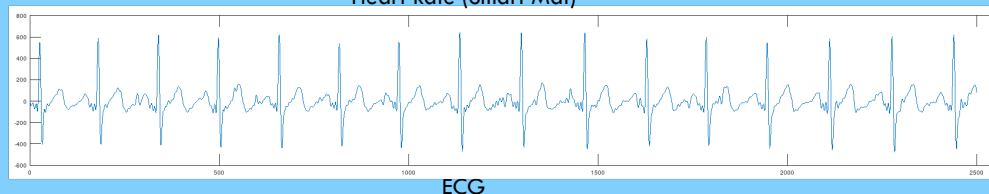
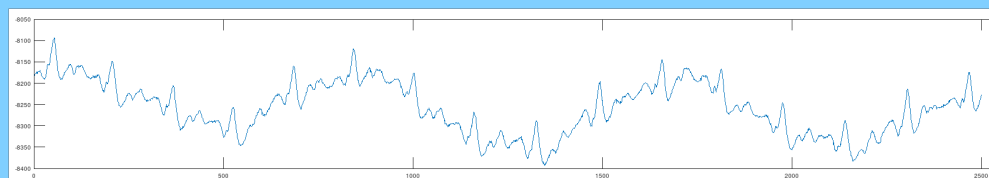
FEATURES

- Contactless detection of heartbeat rate, respiration, bed exit and movement
- Continuous health monitoring while sleeping
- Passive sensor placed under the mattress
- Work with normal or air mattress
- Smart IoT device with mobile app connectivity
- Small, compact and easy installation
- Customizable mobile app to hospital building, ward and bed

PILOT STUDY

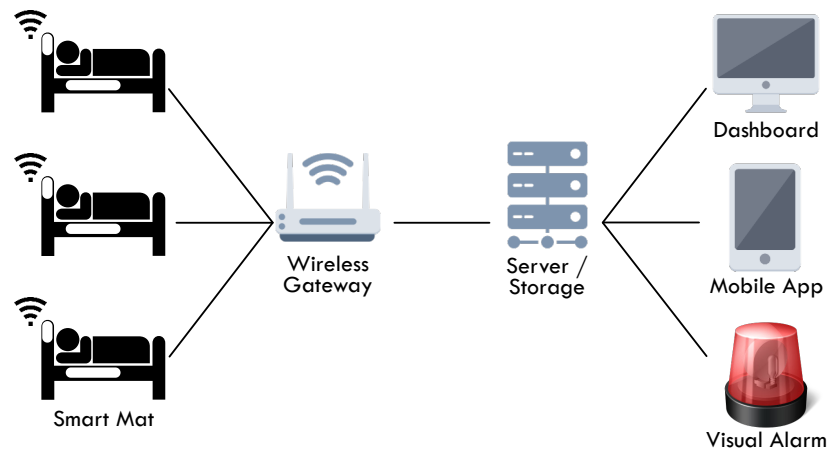
A pilot study was performed using the Smart Mat on 40 test subjects with varying demographics in age, gender, weight & height in concurrent with traditional ECG.

The accuracy of the Smart Mat is shown to be similar to the ECG.

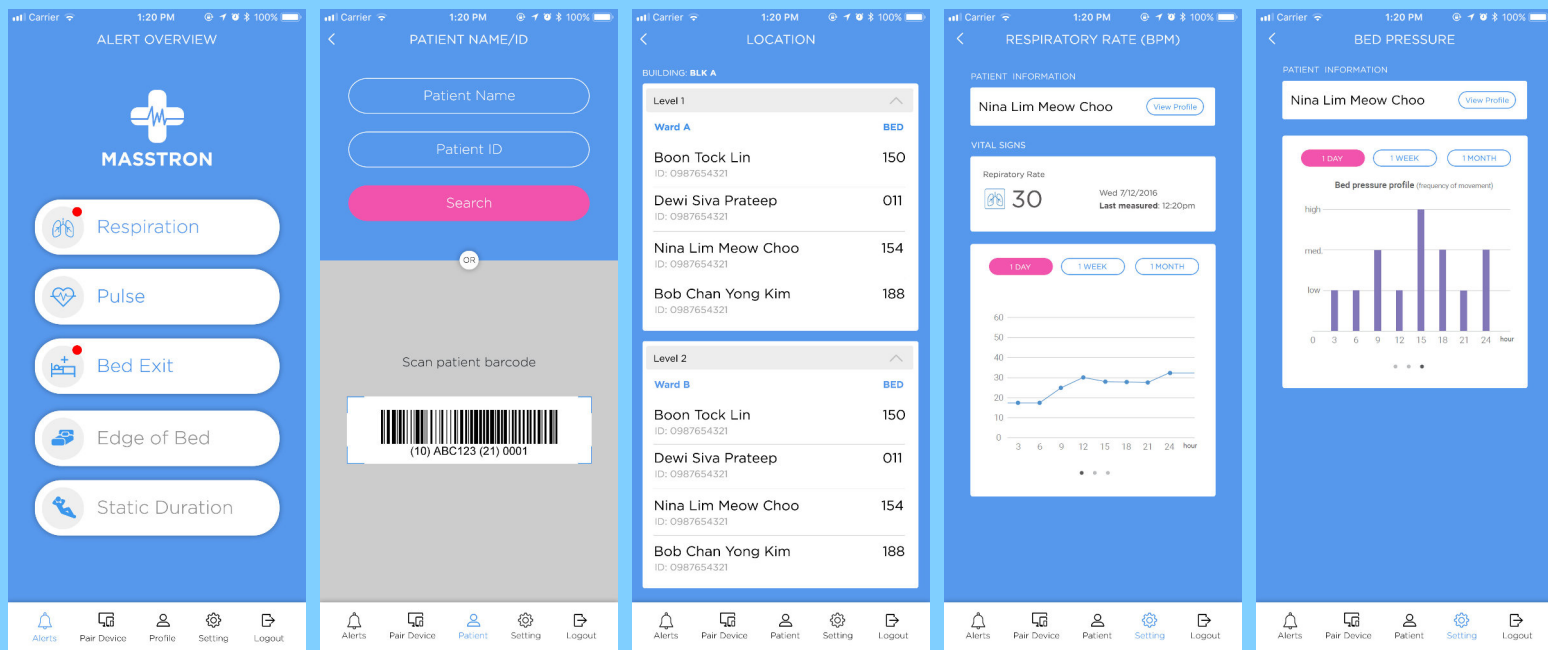


METHOD

- Easily deployable to reap economies of scale and utilises wireless technology without messy installation to disrupt daily operations.
- Monitoring dashboard and mobile devices will be able to receive readings and notifications of abnormalities to react instantly, improving patient safety and increasing productivity by reducing scheduled rounding to manual obtain vital signs readings.

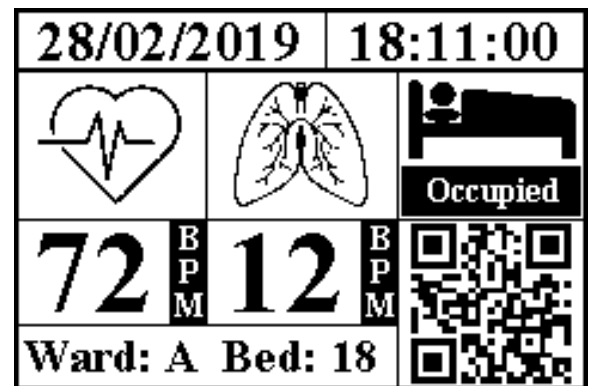


APP USER INTERFACE



SPECIFICATIONS

Vital Sign Monitoring:	Heartbeat Rate & Respiration Rate
Additional Monitoring:	Bed Exit & Movement
Device Connectivity:	Wifi, Ethernet
Sensor Mat Size:	780mm x 780mm x 6mm (Water Resistant Material - Neoprene)
Display Appearance:	Monochrome, Black on White
Display Size:	3.4 inch (Diagonal), 240x160 Pixels
Device Size:	150mm x 110mm x 32mm
Operating Voltage:	USB-C, 5VDC



Smart Mat Device Interface



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