

SmartVital

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Industry: Healthcare, IOT

Product/Service/Process Description:

SmartVital is a wireless device meant for post-procedure hospital patients that continuously monitors their temperature, heart rate, and oxygen saturation.

SmartVital monitors patient vitals as early detection can help prevent serious postoperative complications such as cardiac injury, major bleeding, and sepsis.

Patient vitals are logged in an IOT database for further analysis by their practitioner.

Problem Being Solved:

Hospitals can have more vacant beds when patients are discharged while being monitored by SmartVital. Patients are able to recover outside of a hospital setting, making their recovery period more comfortable.

Competitive Advantage & Competitors (Value Proposition):

SmartVital will operate with the option of being tethered to a personal device, like a smartphone, or being tetherless and connected directly to a WiFi network. The competitor's devices must be connected to a nearby base station to receive vitals data wirelessly, so they lack the ability to be used outside of a hospital building.

Business Model / Innovative Elements:

IoT technology can create a new standard for vital monitoring by enabling usability anywhere with a network connection. Higher budget competitors (e.g. GE Healthcare, Phillips) can license SmartVital's design to add more functionality and usability to their current wireless monitors which will allow for the best care of patients.

Target Market / Societal Impact:

SmartVital plans to target patients with long-term illnesses to help reduce their overall hospital time and enable monitoring from home. These patients benefit more from using a wireless monitor than the average patient as they need constant monitoring for longer periods of time. Patient monitoring is a 2 billion dollar industry in the US, and the ability to shift to new IoT technology will help this market grow.