

# **EXPLORACIÓN DE TECNOLOGÍAS PARA LA IMPLEMENTACIÓN DE REDES DE ÁREA CORPORAL, UNA REVISIÓN CRÍTICA.**

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Hoy en día, Los pacientes, a los que se les debe practicar chequeos de control o evoluciones asistenciales a funciones de sus organismos de manera constante, en donde muchos casos se utiliza gran cantidad de cableado para controlar y obtener lecturas de sus signos vitales, presentan incomodidades en sus movimientos básicos y molestias que podrían omitirse teniendo una tecnología que reemplace estos cableados. En razón a ello se ha realizado una búsqueda sistemática sobre el estado del arte relacionado con este tipo de dispositivos con el fin de garantizar el desarrollo de un dispositivo que brinde las mejores prestaciones de acuerdo al fin propuesto inicialmente para el desarrollo y construcción de una red de sensores que permitan la comunicación de los datos recopilados de los pacientes para su procesamiento y presentación. Para ellos utilizaremos la el módulo MRF24J40MA, desarrollado por Microchip el cual trabaja con tecnología Zigbee y se puede programar mediante la utilización de arduino.

## **PALABRAS CLAVE**

BAN, Bluetooth, Nodos, Wireless, Signos Vitales, Enfermedades Cardiovasculares, Zigbee, Mrf24j40, Arduino.

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