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(57) Abstract :
Abstract In recent years there is more advancement in medical field especially in biomedical instrumentation technologies. This technology is growing day by day with sensor-based health care monitoring system. In medical applications, the Wireless Power Transfer (WPT) technology is used for various applications and in research purposes. The condition of a human body is assessed by measuring the vital signs. These are very much useful in understanding the health status and for detecting the medical problem of a person. The vital signs are assessed through temperature sensor, heartbeat sensor and ECG sensor. For signal processing and data transfer from sensor it has the associated circuits attached along with the sensor. One of the serious issues occur in this type of circuit is the powering problem. The supply cannot be given directly by means of batteries to the sensor. Because when it comes in contact with the blood there is some serious health risk will occur. So alternate supply has to be given in order to avoid such risk. It can be supplied by means of tether-less and battery-less wirelessly to the circuit. The best method wireless power transfer for sensor-based monitoring system is Inductive power transfer method.

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