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BRIEF REVIEW ON IEEE 1451 STANDARD FOR DEPLOYING RECONFIGURABLE SENSOR INTERFACE IN WSN

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ABSTRACT

Wireless Sensor Networks (WSN) is gaining popularity in our daily lives because of its wide range of applications, such as health care monitoring, industrial applications, control networks, etc. Nowadays WSNs are integrated into Internet of Things (IoT); where sensor nodes connect to internet dynamically and thus WSN accomplish their tasks. With the increase in the number of sensors, an efficient reconfigurable sensor interface is required to integrate WSN with IoT. This paper discusses the parameters, which are required to design a reconfigurable sensor interface device for WSN utilizing IoT architecture. IEEE 1451 standards are adopted for this design. An intelligent data acquisition system can be deployed with the advent of reconfigurable smart sensor interface using current work.

KEYWORDS: IEEE 1451 Standards, Internet of Things, Sensor Interface Device, Wireless Sensor Networks