

Performance Analysis of Wireless Sensor Networks in Areas for Sports Activities and Environmental Preservation

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Abstract : This paper presents a analysis of performance the Received Strength Signal Indicator (RSSI) to Wireless Sensor Networks, with a finality of investigate a behavior of ZigBee devices operating into real environments. The test of performance was realize using two Series 1 ZigBee Module and two modules of development Arduino Uno R3, evaluating in this form a measurements of RSSI into environments like places of sports, preservation forests and water reservoir.

Keywords : wireless sensor networks, RSSI, Arduino, environments

Conference Title : ICEECS 2015 : International Conference on Electrical Engineering and Computer Science

Conference Location : Lisbon, Portugal

Conference Dates : April 16-17, 2015