

PERFORMANCE ENHANCEMENT OF WIRELESS SENSOR NETWORK TECHNOLOGY ZIGBEE

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ABSTRACT

ZigBee is wireless communication technology which use high level communication protocols. ZigBee is one of the best cost effective wireless networks which use minimal power digital radios as well as nominal rate for personal area networks. ZigBee claims to be much cheaper and less expensive because of its simpler structure than Bluetooth, WIFI and other available wireless networks. ZigBee works on radio frequency which requires low power and long-lasting availability. Another win for ZigBee is, it provides extra network security using mesh network. It offers unbelievable data transferring speed upto 250 kbps which is also defeating point to switch over the Zigbee from complicated and expensive wire- less networks. It delivers high security, less expensive, hassle-free structure using low power radio frequencies. ZigBee uses standard protocol which is almost free of cost, easy to upgrade firmware and network security.