

# Assignment - 6

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Aim - Understanding the connectivity of Raspberry - Pi / Beagle board with a zigbee module.

## Theory -

ZigBee is communication device used for data transfer bet<sup>n</sup> controllers, computers, system, really anything with serial port. As it works with low power consumption, the transaction distances is limited to 10-100 meters line-of-sight. ZigBee devices can transmit data over long distances by passing it through mesh network of intermediate devices to reach more distant ones.



Its main applications are in field of wireless sensor network based on industries as it requires short-range low-rate wireless data transfer. The technology defined by ZigBee specification is & less expensive than networks.

Here we make of Zigbee with Raspberry wireless communication. got four USB ports, so it Zigbee dongle for this want to check the two pair intended to be simplex other wireless.

Use of an interface Pi2 for a proper Raspberry Pi2 has is better to use a interface. Now we communication ZigBee modules.



## Conclusion -

Thus, we have done  
ZigBee Communication bet<sup>n</sup>  
two Raspberry Pi Devices.