Experiment No: 6

Aim: render 5 tanding and connectivity of Raspberry - Pi/Beagle board with a Zigbel rodule. Write a network application for lommunication between two devices using zigbel.

Theory: vsed four the data transfer between the Continuollers, computers system really anything with a serial port. As it works with lower power consumption the twonsmission distances is limited to 10-100 Meters line-of-sight. zigbee devices can transmit data over long distances by passing data through a Mesh network of a intermediate devices to usach Move distances ones. It Moin applications and in the field of wiveless Sensor network based on industries as it requires shout-wangl low-water Dividess data transfer. The technology defined by the zigber specification is a less enpensive than networks.

Here we make of zigber with Raspberry wiveless communication got lower wise force this want to thek the detween the two faired intended to be simpler other wireless: Raseponny PiZ has is better to use a interfall. Now we communication zigbel

Interfacing of zigBel fig. 1

Matulos.



Python Shipt to Perform Zigbee Communication. import Serial

Enabell USB Communication

Sex = Sorial . Serial (/dev/ty USBo)

9600, Timeout = .5) ses, write ('Hello uses 8)n) inloming = sex. pradline(). Print 'Received Data: + Conclusion: we have done zigbee Communication between two Raspberry Pidevills.