

## Learning Guide Unit 4

**Overview****UNIT 4: Wireless Link-Layer protocols**

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**Topics**

- IEEE 802.11n (MIMO Wi-Fi)
- WiMAX (IEEE 802.16)
- ZigBee (IEEE 802.15.4)
- Bluetooth
- HTTP and TCP packet analysis in Wireshark

**Learning Objectives**

By the end of this Unit, you will be able to:

1. Differentiate between Bluetooth and Zigbee technologies.
2. Explain WiMAX and MIMO Wi-Fi technologies and their applications.
3. Analyze the HTTP and TCP traffic flow in a network.

**Tasks**

- Read through the Learning Guide and the Reading Assignment
- Complete the Discussion Assignment by posting in the Discussion Forum
- Respond to three of your fellow classmates' posts in the Discussion Forum
- Complete and submit the Written Assignment
- Complete and submit the Learning Journal
- Take and submit the Self-Quiz