# LM4 Wireless Network Threats & Vulnerabilities

### Overview

In this module, we study the threats and vulnerabilities to three major types of wireless networks: WLAN, Bluetooth and Ad-hoc wireless network.

### To Do List

* 1. Go through LM 4 Learning Material. Use the PowerPoint slides as the guideline.
  2. Discussion 2 - must be completed by **2/4** **11:59pm**.

### Learning Outcomes

After this module, student will be able to:

* 1. Describe different types of attackers
  2. Describe the vulnerabilities of WLAN in general
  3. Describe WEP, WPA and WPA2 and their vulnerabilities.
  4. Explain what’s passive attack and what’s active attack. List two examples of each types attack.
  5. Describe confidentiality, access control, availability, authentication and integrity attacks on WLAN.
  6. Discuss Bluetooth security features
  7. Describe Bluetooth vulnerabilities and threats
  8. Describe the threat models of the Ad Hoc wireless network