# LM2. Network Security Essentials

### Overview

This module covers important concepts related to information security. Many of the the concepts you already learned from your previous class. Hopefully you still remember them :-) We will discuss the threats and vulnerabilities specific to wireless and mobile network and corresponding mitigation strategies in future modules.

### To Do List

* 1. Go through LM 2 Learning Material. Use the PowerPoint slides as the guideline.
	2. Assignment 1 - Test your understanding questions from LM2. Must be submitted to the Assignment 1 dropbox by **xxxx**.

### Learning Outcomes

After this module, student will be able to:

* 1. Define Information Security and Wireless Security
	2. Describe the five principles Information security: CIA triad, Non-repudiation and Accountability.
	3. Explain the difference between symmetric key cryptography (SKC) and public key cryptography (PKC).
	4. Describe how integrity is achieved through hash function.
	5. Describe how digital signature works
	6. Define the AAA of information security
	7. Discuss the threats category to wireless network/device
	8. Describe the five pillars of information security.
	9. Discuss defense in depth in information security
	10. Discuss information security standards and regulatory compliances