# LM 5. Authentication System

### Overview

This module cover the two major security frameworks: CNNS security model and NITS security framework. We also cover the privacy, ethics, and laws in information security.

### To Do List

* 1. Study the learning material of this module - security frameworks. Use the learning material document and PowerPoint slides as a guide.Detailed information are available in the web links and PDF file.
  2. Assignment 2 -Determine the lifespan of a password based on a list of assumptions - must be **completed by xx.**

### Learning Outcomes

After this module, student will be able to:

* Define identity management and explain how it’s different from access management
* Describe the components of authentication system
* Describe the challenge-response authentication
* Discuss the factors in the security of a password system and attacks to password system.
* Explain the how does single sign-on (SSO) work
* Describe different types of biometrics and location-based authentication