Project DQ : Objectives and Outcomes

By the end of **Module 1: Security and Data Protection**, learners will be able to :
- ➜ Evaluate the strength of a password and demonstrate an understanding of optimal, safe password usage with 90% accuracy.
  - ◆ Essential Questions
    1. Why can't I use my wedding date, birthdate, or other easy to identify information as a password?
    2. What are the advantages in changing my password often?
    3. How can I remember my passwords without writing them down?

- ➜ Distinguish between fake and safe emails and demonstrate the ability to protect against phishing attacks and spam with 85% accuracy.
  - ◆ Essential Questions
    1. Why is encryption of email is important?
    2. How can I identify fake emails/ email spoofing with malicious purposes?
    3. How do I protect myself from phishing?
    4. What can I do to limit spam?

- ➜ Identify the respective risks, vulnerabilities, indicators of infection, and removal processes of malicious software and viruses with 80% accuracy.
  - ◆ Essential Questions
    1. What are the risks involved with malicious programs? (Risks to personal information and hardware.)
    2. What are some ways that you can be tricked into downloading harmful software and viruses?
    3. What are some signs that my device is infected?
    4. How do I remove the software or viruses from a device once it is infected?

- ➜ Define necessary protection measures and distinguish between the precautions needed in public and private spaces with 90% accuracy.
  - ◆ Essential Questions
    1. Can I log on to a public wifi with my company's device? If not, why?
    2. Why are unsecured wifi connections risky? What is the safest way to use unsecured wifi?
    3. Is my device safe if I leave it unattended?
    4. Why does backing up mobile and computer data make me safer?