INFORMATION MANAGEMENT ASSOCIATION

MEETING MINUTES

horizontal line

March 16 **20**21 / 7:00 PM / Webex

# ATTENDEES

Members and Eboard

# AGENDA

## Last Meeting Follow-up

* Class Picktime

## New Business

* Password Security - Kevin Brown

# NOTES

* Kevin Brown
  + A full-time employee for ITS in the Identity and Access Management Group
    - Previously Server Admin
  + Adjunct faculty for OPIM
    - OPIM3220, OPIM3103
  + MIS Student
    - Graduated May 2016
* Role of IT in Modern Business
  + IT has become a fundamental part of every modern business
  + Everything is stored digitally now
  + Communication is done over email and chat
  + Telecommuting
  + VPNs, gateways, BYOD
* Authentication and Authorization
  + Authentication - netid
  + Authorization - correct employees access correct data
* Phishing
  + Social engineering attempts to get into a company’s internal network
  + 32% of all breaches originate with phishing emails
  + Most common n financial institutions
* Passwords
  + Computers get faster, passwords get easier to guess
* Password Storing
  + Database with passwords
    - Most simple no hashing
  + Database with passwords and hashing algorithm
    - Hashing Algorithm encodes the passwords - one input one output
  + Hashing and Salting
    - Hashing combined with Salting (sprinkling more unique company established passwords within the user password while hashing)
* Password Guessing
  + Dictionary
  + Rainbow Table
  + Brute-force
* Password Criteria
  + Length
  + Do not reuse
  + Change (when needed)
  + User a password manager
  + Turn on multifactor authentication

# ACTION ITEMS

* kevin.r.brown@uconn.edu

# NEXT WEEK’S AGENDA