Eduva Tech

CYBER SECURITY

SYLLABUS

Prepared For :
Eduva Tech

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Course Outline

INTRODUCTION TO SECURITY

- WHY IS DATA PROTECTION SO IMPORTANT?
- WHAT IS CYBERSECURITY
- COMMON CYBERSECURITY THREATS
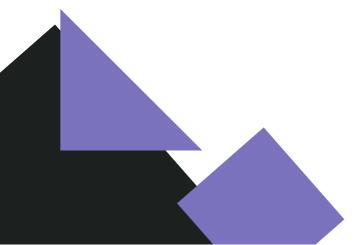- KEEPING YOURSELF SECURE

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SECURING OPERATING SYSTEMS

- LOCK YOUR SYSTEM WHEN YOU'RE AWAY
- PREVENT AUTOMATIC LOG-IN
- CREATE A NEW USER
- DISABLE GUEST USER
- LOCK OUT SIGN-IN ATTEMPTS
- RENAME THE ADMINISTRATOR ACCOUNT
- ENABLE SOFTWARE UPDATES
- ENABLE WINDOWS FIREWALL
- ALLOW AND DENY APPS TO COMMUNICATE THROUGH FIREWALL
- WINDOWS DEFENDER CENTRE
- TURN ON BITLOCKER
- HIDE FILES & FOLDER

MALWARE AND ANTIVIRUS

- WHAT IS MALWARE
- VIRUS
- WORM
- TROJANS

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INTERNET SECURITY

- WHAT IS NETWORK SECURITY / THREATS?
- TYPES OF NETWORK SECURITY THREATS
1. UNAUTHORISED ACCESS
2. SECURITY SOLUTION
3. EAVESDROPPING
4. SECURITY SOLUTION
5. DOS & DDOS
6. IP SPOOFING
7. MAN-IN-THE-MIDDLE ATTACK

SECURITY ON SOCIAL NETWORKING SITES

- SOCIAL NETWORKING SERVICES
- WHAT IS A PROFILE?
- SOCIAL NETWORKING SECURITY THREATS
1. .PHISHING
2. .IDENTITY THEFT
3. MALWARE
4. URL SPOOFING
5. CLICKJACKING
6. SOCIAL ENGINEERING
- FACEBOOK SECURITY
- TWITTER SECURITY
- LINKED SECURITY
- INSTAGRAM SECURITY

SECURING EMAIL COMMUNICATIONS

- ELECTRONIC MAIL
  1. .EMAIL ADDRESS
  2. STRUCTURE OF EMAIL
  3. EMAIL CLIENT
  4. COMPOSE AND SEND AN EMAIL
- EMAIL SECURITY
- ENCRYPTION

SECURING MOBILE DEVICES

- NEED OF MOBILE DEVICE SECURITY
- MOBILE OPERATING SYSTEM
- IMEI NUMBER
- MOBILE SECURITY PROCEDURES

SECURING THE CLOUD

- WHAT IS CLOUD COMPUTING?
- CLOUD COMPUTING ARCHITECTURECLOUD COMPUTING SERVICE
- WORKING OF CLOUD COMPUTING

SECURING NETWORK CONNECTIONS

- UNDERSTANDING DIFFERENT NETWORKING CONCEPTS
- TYPES OF NETWORK
- SETTING UP A WIRELESS NETWORK
- WIRELESS NETWORK SECURITY

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DATA BACKUP AND DISASTER RECOVERY