

BCN3139– Computer Forensic & Investigation

Editors

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Chapter Description

- Aims
 - Explain the process of forensic investigation
 - Describe the rules of digital evidences
 - Explain the general service of computer forensic.
- Expected Outcomes
 - Students can explain the purpose computer forensic investigation
 - Show some examples to support their understanding
 - Students can explain on What, How, Why Digital Forensic
- Other related Information
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- References
 - Nelson, B., Philips, A., Enfinger, F. and Steuart, C., Guide to Computer Forensics and Investigations 3rd Edition, Thomsan Course Technology.
 - Vacca, J.R., Computer Forensics Computer Crime Scene Investigation 2nd Edition, 2005, Charles River Media Inc.



Rules of Evidence

- Evidences to be useful must have the following properties:



Admissible to the court



Authentic: tied to the crime



Complete: All perspective



Reliable: No doubt on authenticity and veracity



Believable: understandable and believable by a jury.

General Procedure

- General steps of Evidence collection:

- Identification of evidence

- Preservation of evidence

- Analysis of evidence

- Presentation of evidence

Computer forensic services

- Data seizure
- Data duplication and preservation
- Data recovery
- Document searches
- Media conversion
- Expert witness services
- Computer evidence service options

Other miscellaneous service

What Computer Forensics Specialists Should do

- Complete process of evidence identification and prepare retrieval checklist.
- Follow several careful steps to identify and recover evidential data possibly found in subject's computer device.

Who Can Use Computer Forensic Evidence

- By Criminal prosecutors use for investigating on fraud, divorce, discrimination, and harassment cases.
- By Insurance companies to reduce to discover possible fraud in accident, arson, and workman's compensation cases and the reduce the cost.
- Computer forensic evidences may be collected and provided to many types of criminal and civil proceedings .
- Used to prove crimes on fraud, divorce, discrimination, and harassment cases.
- Used to reduce costs of investigation

Questions

Have Question ?