

Unit for Intelligent Digital Forensics



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA



BUSINESS ENTERPRISES
UNIVERSITY OF PRETORIA



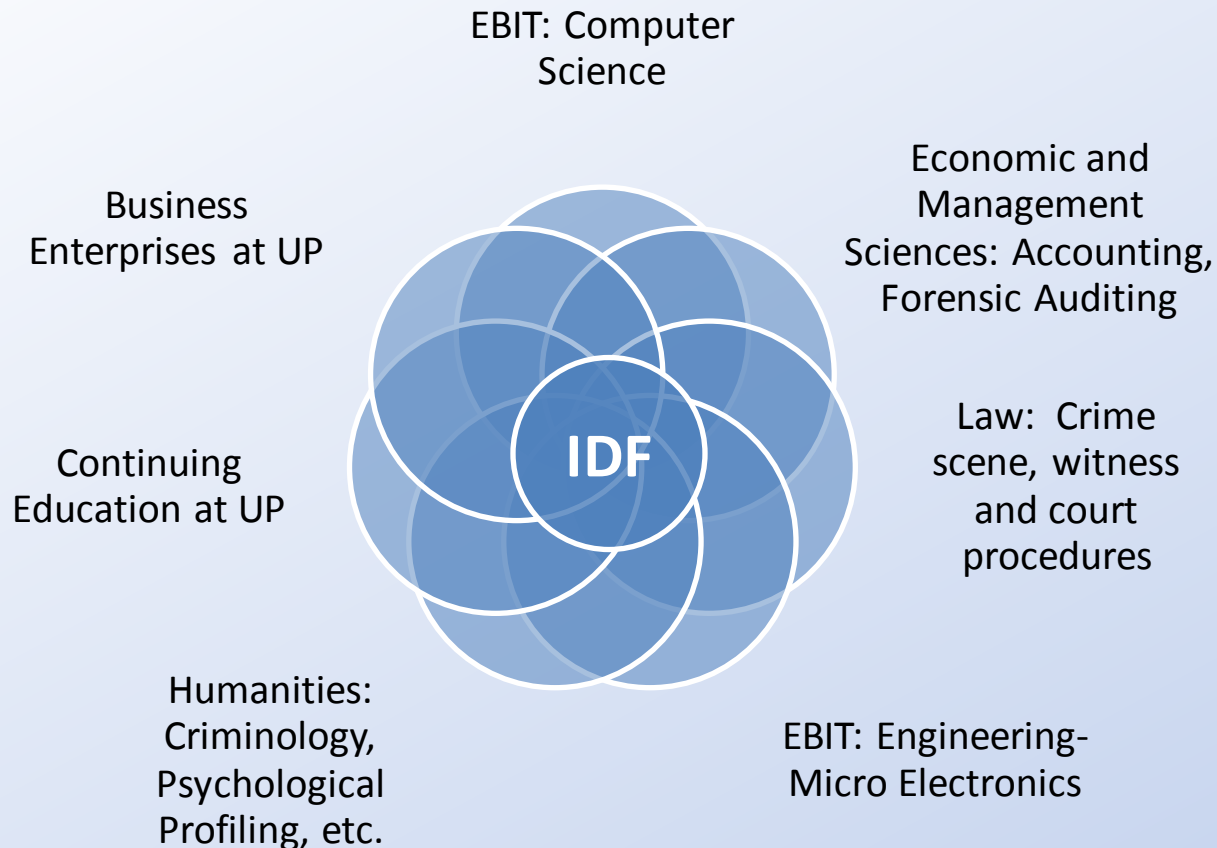
Introducing the Unit

- The Unit is housed in the EBIT Faculty under auspices of the Department of Computer Science.
- A joint initiative:
 - University of Pretoria,
 - Business Enterprises at University of Pretoria – UP’s Contract Research and Business arm; and
 - Risk Diversion – a leading Digital Forensics company
- Growing into a self-sustainable, economically independent Unit where Intelligent Digital Forensics is advanced through research, teaching, training and practice.



The Unit for Intelligent Digital Forensics

a) Role and structure : A multi-faculty approach.





The Unit for Intelligent Digital Forensics

Summary of Services:

Forensic Investigation and Analysis including/of:
Computers, Cell Phones, Solid State drives, Digital devices such as cameras, flash drives, etc.

Forensic Investigations
Phishing Investigations
Data Recovery and
Computational Intelligence
Swarm Computing
Expert Legal Opinion

Card Reader Forensics
Malware Investigations
Data Analysis
Optimization
Artificial Intelligence
Pre-trial Consultation





The Unit for Intelligent Digital Forensics

c) ICSA and research in ICSA and Dept. – Prof. Hein Venter

- Why is it harder to retrieve data from solid state hard drives versus normal SATA hard drives?
- Testing Digital Forensic Readiness within the Harmonized Digital Forensic Investigation Process
- Testing Live Forensics within the Harmonized Digital Forensic Investigation Process Model
- Online gaming (Casino) investigation
- Write-blocker calibration and testing
- Data carving from GSM data





Questions and Tour of the Facility

THANK YOU

