Privacy aspects of ICT Projects

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Vision 2030 for Mauritius
Become an inclusive high-income country
Smart Mauritius

Smart Mobility

Smart Living

Smart Education

Smart Citizen

Smart Business

Smart Infrastructure

Smart Government

Smart Utility

Smart Environment
10 Essential Technologies

- Drones
- Blockchain
- Big Data
- Augmented Reality
- 3D Printing
- Virtual Reality
- Artificial Intelligence
- Robots
- Internet of Things
- Genetics
Software, Hardware and Data are eating the world

- Software Engineering (66%)
- IT Infrastructure (15%)
- Big Data (15%)
- Digital marketing (3%)
- Electronics (1%)

bit.ly/topskills2018
Major technical challenge

How to build computer systems which use personal data while protecting an individual's privacy?
Computer Security

The protection of computer systems from the theft of or damage to their hardware, software or electronic data as well as from the disruption or misdirection of the services they provide
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Vulnerabilities & Attacks

Social engineering
Direct-access attacks
Eavesdropping
Phishing
Backdoor
Denial-of-service attack
Privilege escalation
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Countermeasures

- Security by design (principle of least privilege)
- Security measures (access control, two-factor authentication, cryptography, firewalls, intrusion detection)
- Hardware protection
- Secure operating systems
- End-user training
- Incident response planning
INFOSEC
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Maintaining the Confidentiality, Integrity, Availability and Non-Repudiation of information in an organisation

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Vulnerabilities & Attacks

Insider threats
Equipment theft
Software attacks
Identity theft
Intellectual property theft
Sabotage
Extortion
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Countermeasures

Security policy
Human resources security
Physical security
Data security
Network security
Asset management
Business continuity management
+ Regulatory compliance

INFOSEC
THANK YOU

your contribution counts

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