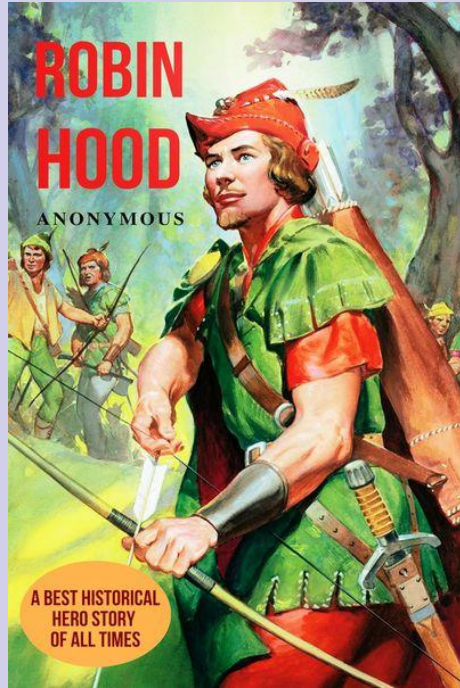




Ethics in Information System



Masyarakat yang Berkeadilan Sosial

Moral



Ethics

Law

Issues in IT related to Ethics



software that is illegally duplicated and then used or sold



21%



32%



92%



99%

Issues in IT related to Law



Law

There is no law about
the use of computers
for 10 years



Behind the delay of law implementation

The first case of
computer crime in
1966



Ethics in IS

1

Privacy

The right of individuals to defend personal information from being accessed by others that is not permitted

2

Accuracy

Information must reflect the real situation

3

Property

Copy right, trade secret, patent

4

Access

The focus of the "access" issue is on providing access for all groups

Security

- Protection of information and information systems from unauthorized access, use, disclosure, damage, interference or modification.
- Issues related to security (threat) can be divided in two types: active and passive
 - Active: fraud and crime against computers
 - Passive: system failures, human errors, and natural disasters.

Hacking vs Cracking



1

Virus

The virus needs user intervention to spread to a system by running programs or applications that have been infected

2

Worm

Use a computer network to infiltrate other computers connected to the network.

3

Trojan Horse

A malicious software that can damage a system or network. The purpose of the Trojan is to obtain information from the target (passwords, user habits recorded in the system log, data, etc.), and control the target (obtain access rights to the target).

Hacking vs Cracking



4

Logic Bomb

Logic bomb attaches to an official program that is set to explode when certain conditions are met. Examples of conditions for triggering a logic bomb are the presence of certain files, certain days of the week or date, or the user running certain applications. Once triggered, the bomb changes or deletes data or entire files, causes the machine to stop, or causes other damage.

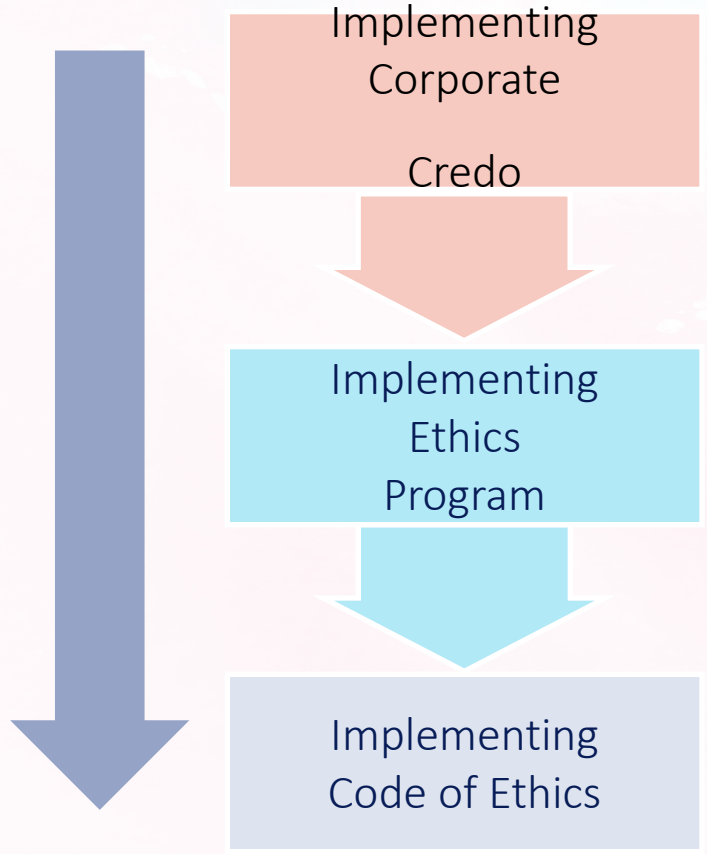
The Importance of Ethics Culture



Ensuring that the concept of ethics permeates the entire organization

Find the way to implement ethics culture

How Top Manager Implementing Ethics Culture



Corporate Credo

Commitment to Customers

- Provide good quality products and services with the right price and sophisticated technology based on customer's needs and wants
- Maintain the customer confidentiality and privacy
- Prioritize customer's satisfaction
- Socially responsible in accordance with generally accepted community and company standards.



Employee's Commitment to Company

- Employee try to understand and be bound by policies
- Act professionally
- Give the best performance for company's development
- Act with integrity and honesty in all situations to maintain trust
- Act responsibly to avoid conflicts of interest

Ethics Program

Implementing Ethics Program

1

Formal Control

Include input control that provide proper tools and resources
ex: employee selection, ethics training, structural system, communication system

2

Process Control

Include management commitment to the ethics program and the method or system for evaluation
IT Governance :
Organizational governance that focuses on information technology and performance, along with risk management.

3

Output Control

Involve setting standard againsts actual behavior.
The most popular method to evaluate ethical performance is ethics audit

Audit

- Assess the effectiveness of documentation activities in the organization
- Monitor compliance with company policies, systems, procedures and laws
 - Measuring the level of effectiveness of the system
- Identify weaknesses in the system that might result in future mismatches



1. Song and movie piracy



2. Online Fraud



3. Carding



4. Bullying/Body Shaming



5. Online Gambling

- https://www.academia.edu/37852597/TUGAS_SIM_Nabila_Maharani_Yanto_Mihadi_Putra_SE_M.Si_Implementasi_implikasi_perilaku_etis_pemanfaatan_teknologi_2018