

Assignment 3

Name: Muhammad Ahmad

Roll No.: 21-5617 BS (DS) 7A

Submitted to: Professor Amjad Hussain

Part 1

Cyber-Crime Incident

Cyber-Crime:

Cybercrimes use technology to steal, harm, or cheat people's personal information.

Examples:

Hacking, Phishing, Identity Theft,
 Ransomware

I chose **Hacking**.

Hacking:

Unauthorized access to a computer or network to steal, change, or destroy personal information.

Cyber-Crime Incident

(International)

[1]On 20 March 2023, Ferrari in Maranello (Italy) reported a hack of its server, where customer details were stolen, and ransom was demanded.

Methods Used:

The breach likely involved phishing, malware, or exploiting vulnerabilities.

Nature of the Crime:

Moderate impact: No sensitive financial data was involved, but customer trust and brand reputation were affected.

Ferrari's Response:

Ferrari refused to pay the ransom, informed

customers and strengthened security systems.

Legal Framework:

 EU GDPR, Italian Data Protection Code

International Legal Framework:

 Budapest, Convention, Interpol/Europe

Law Enforcement Actions:

No update on arrests, indicating an ongoing investigation.

Protecting Victims' Rights:

Customers were informed to take necessary precautions.

Cyber-Crime Incident (Pakistan)

[2][3]In September 2024, Dewan Farooque Motors in Karachi reported a cybersecurity attack, corrupting customer, financial, supply chain, and operational data.

Methods Used:

Hacking, ransomware, and phishing.

Nature of the Crime:

High impact due to theft of sensitive data, affecting operations and customer trust.

Response:

The company launched an investigation, informed stakeholders, used decryption tools, and rescheduled the board meeting for November 28, 2024.

Impact:

Share price dropped by 3.37%, closing at Rs. 38.44.

Legal Framework:

PECA 2016, FIA Cyber Crime Wing

International Legal Framework:

• Budapest Convention, Interpol

Law Enforcement Actions:

No information on arrests.

Protecting Victims' Rights:

Customers were informed to take precautions.

Comparison with Local Incident

Ferrari	Dewan
(2023)	Farooque
	Motors
	(2024)

Data	Personal	Sensitive
Stolen	customer	company
	details	data
		(financial,
		operational)
Methods	Hacking,	Hacking,
Used	phishing,	ransomware
	malware	, phishing
Impact	Moderate,	High,
	no	operational
	operational	impact,
	disruption	3.37% drop
		in stock
Response	Investigatio	Investigatio
	n, informed	n,
	customers,	decryption,
	refused	informed
	ransom	customers
Legal	GDPR,	PECA
Framewor	Italian Data	2016, FIA
k	Protection	
	Code	
Challenges	No arrest	No arrest
	info,	info, tracing
	international	difficulties
	attribution	
	issues	

Part 2

Privacy-Related Incident

Privacy-Related Incident Overview

[4] Privacy violations occur when personal information is accessed, used, or shared without consent, leading to identity theft, fraud, and reputational damage. These can result from inadequate security, unauthorized sharing, or surveillance.

Examples of Privacy Violations:

- Data breaches
- Improper data sharing
- Surveillance

International Incident: Equifax Data Breach (2017)

In 2017, Equifax suffered a breach exposing the sensitive data of 147 million Americans. Hackers exploited a vulnerability in Apache Struts.

Impact:

Increased risk of identity theft and fraud, damaging reputation and consumer trust.

Response:

Free credit monitoring and cybersecurity improvements.

Legal Framework:

GDPR, CCPA, and international cooperation via the Budapest Convention.

Local Incident: Ufone Data Breach (2023)

[5]In 2023, Ufone exposed 50 million customer records due to an unsecured

database.

Impact:

Risks of phishing and identity theft, damaging customer trust.

Response:

Secured server, notified customers to monitor accounts.

Legal Framework:

PECA 2016, PTA.

Recommendations for Pakistan:

- Introduce a Personal Data Protection Bill.
- Mandate strong encryption, security audits, and breach notifications.
- Impose harsher penalties for non-compliance.
- Grant consumer rights to access, delete, and opt-out of data-sharing.

Comparison with Local Incident

Aspect	Equifax	Ufone
_	Data	Data
	Breach	Breach
	(2017)	(2023)
Incident	Data	Data
	breach	breach
	exposing	exposing
	147	50 million
	million	customer
	records.	records.
Exposed Data	Names,	Phone
1	SSNs, and	numbers,
	addresses.	addresses.
Impact	Identity	Phishing
_	theft risk,	risk,
	reputation	customer
	al damage.	trust
		damage.

Dognongo	Free credit	Secured
Response	monitoring	server,
	_	,
	, and	and
	improved	notified
	cybersecur	customers
	ity.	•
Legal	GDPR,	PECA
Framework	CCPA,	2016,
	internation	PTA
	al laws.	
Recommendat	Not	Personal
ions	applicable.	Data
		Protection
		Bill,
		breach
		notificatio
		ns, stricter
		penalties.

References:

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