COUNTERMEASURES AGAINST **CYB3RCR!M3**

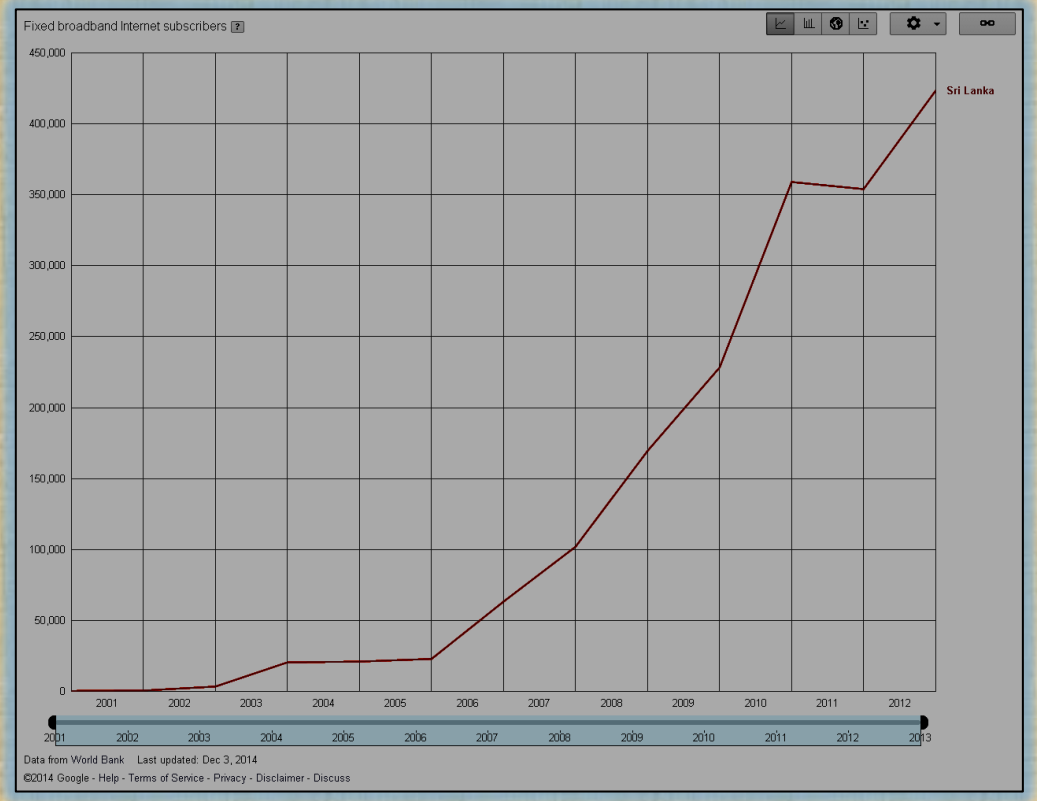
Statistics and Reporting

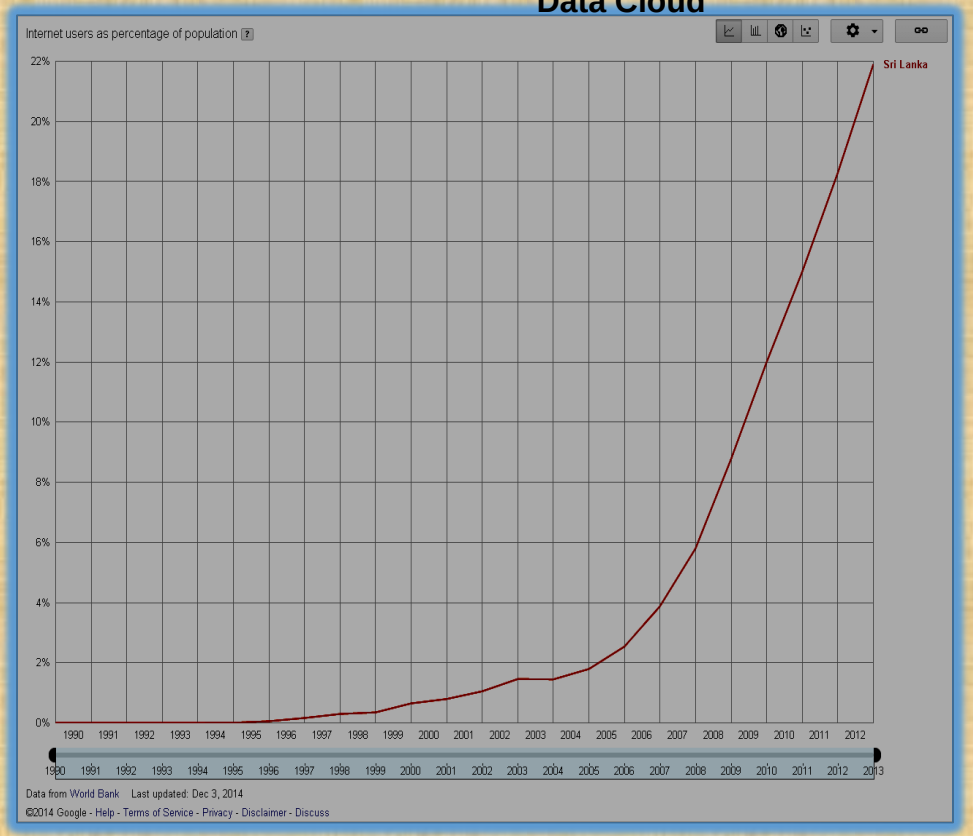
(Department of Police – Sri Lanka)

INTERNET AND BROADBAND PENETRATION IN SRI LANKA (2014)

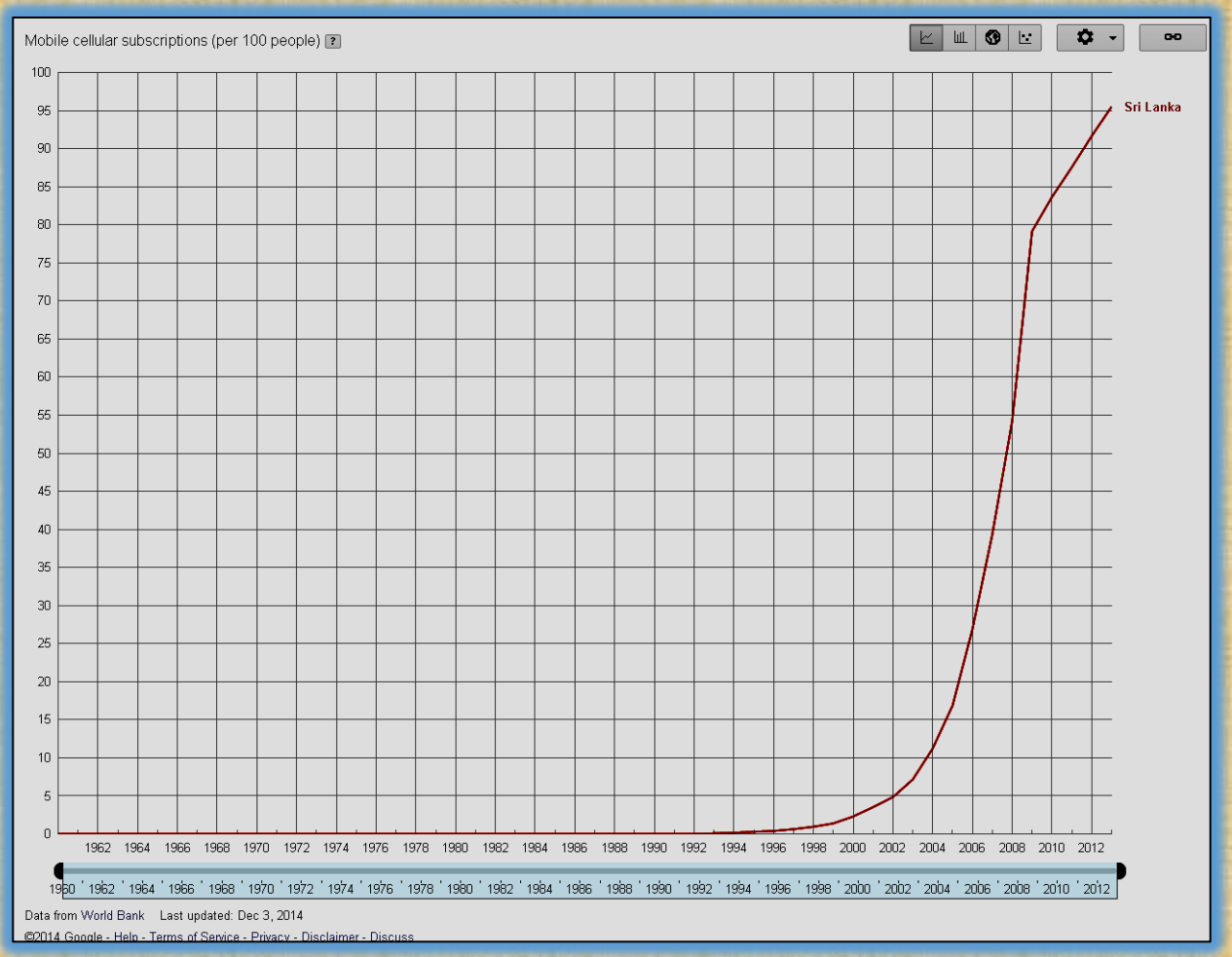
Year	Population	Penetration	YOY G	Internet Users
2010	20,450,000	12.00%	-	2,454,000.0
2011	20,650,000	14.40%	20%	2,973,600.0
2012	20,870,000	17.28%	20%	3,606,336.0
2013	21,200,000	20.74%	20%	4,396,032.0
2014	21,800,000	24.88%	20%	5,424,537.6
2014 Q1	21,800,000	21.77%	5%	4,746,470.4
Source: Google's Public Data Analysis				

COLLECTED FROM ,
Public Data Analysis of Google Big Data Cloud

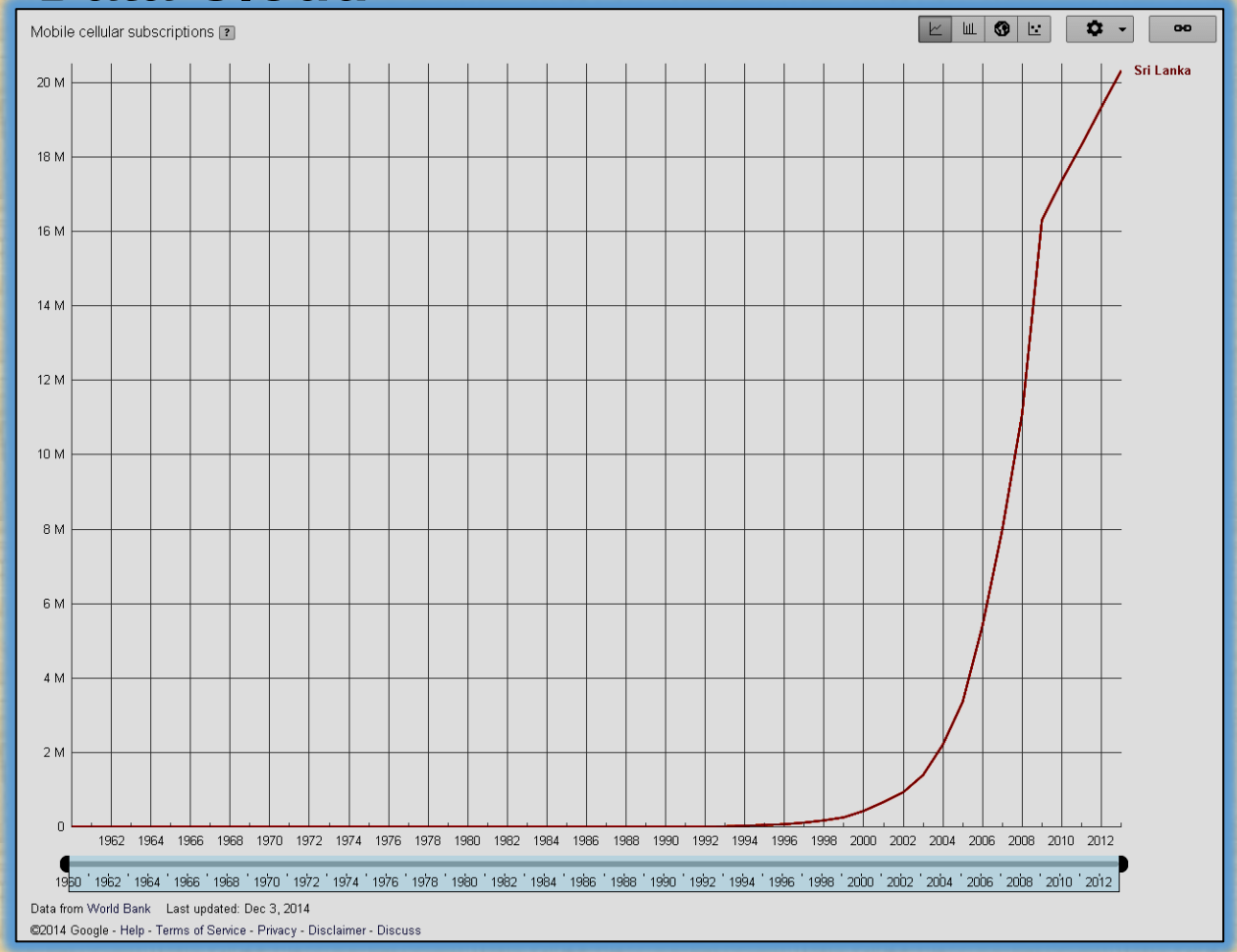




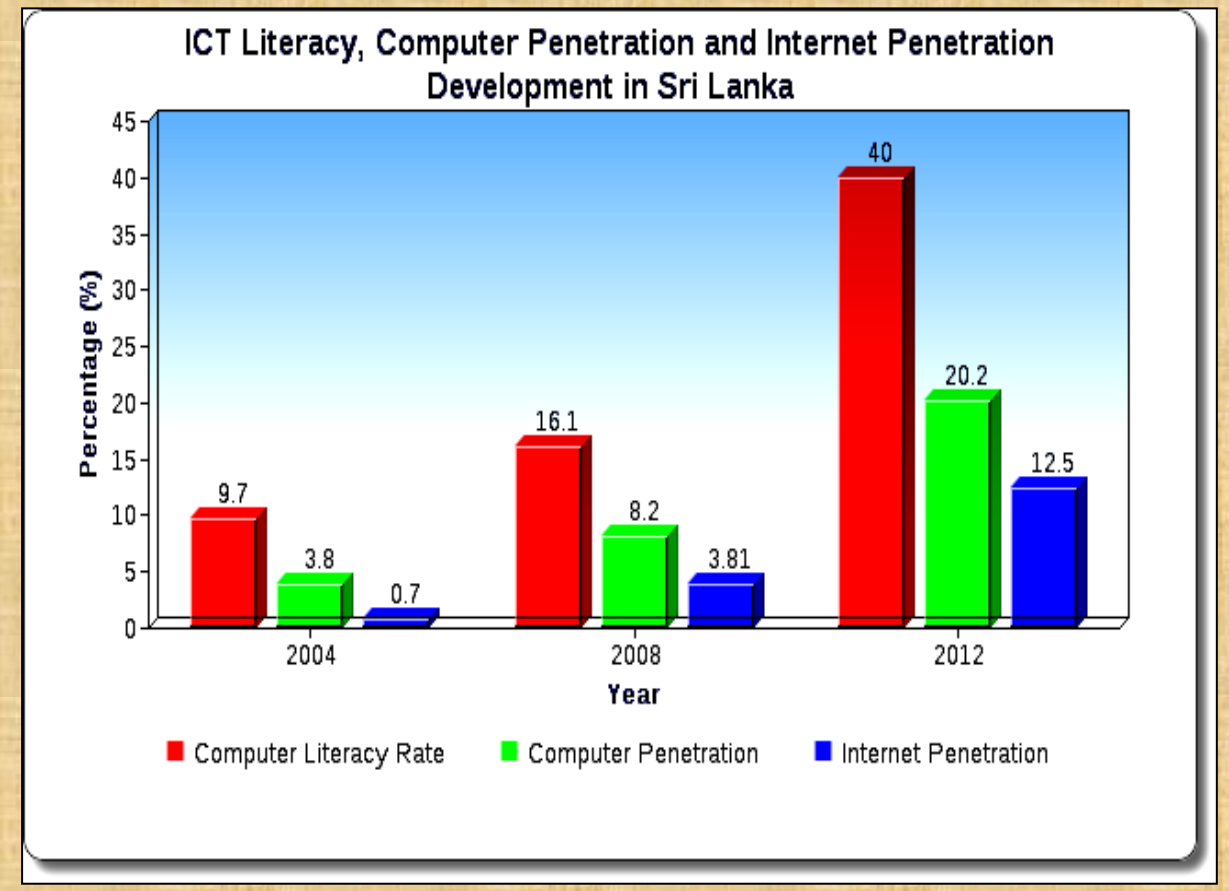
MOBILE PHONE (SMARTPHONES) PENETRATION IN SRI LANKA (2014)

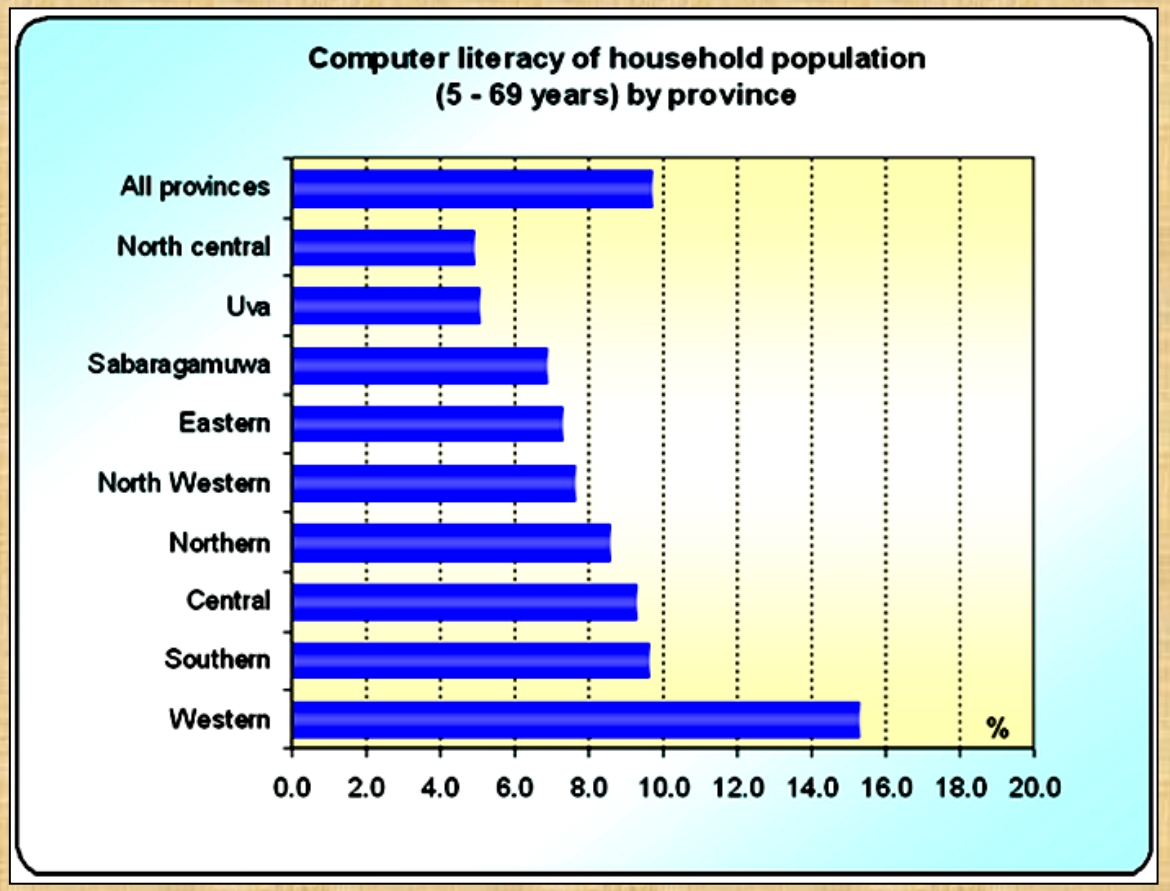


COLLECTED FROM ,
Public Data Analysis of Google Big Data Cloud



STATISTICAL ANALYSIS OF CYBER TECHNOLOGIES PENETRATION IN SRI LANKA (2014)





THE REPORTED CYBER/COMPUTER CRIMES TO CID SRI LANKA

YEAR	Computer Crime	Obscene Publication	*Hacking and cheating*	*Phonography*	*Cyber defamation*	*Payment device Fraud*
2010		04	22	1	50	**21**
2011	07	12	24		108	**26**
2012	12	12	20		55	**27**
2013	08	10	13		44	**24**
2014	12	02	22		48	**26**

IDENTIFIED CYBER AND DIGITAL ALLIED ATTACKS TO SRI LANKAN CYBER SPACE...

1. ► Web Site Defacements and Cyber Trespasses
2. ► Corporate Cloud System Unauthorized Access and Violations
3. ► SQL Injection and Supplementary Web Based High-Level Attacks
4. ► DoS, DDoS (Distributed) and RDoS (Reflected) (Sabotage/Interrupt)
5. ► SCADA and Critical Infrastructure Based Attacks
6. ► Spyware and Keylogger Based Attacks
7. ► Botnet/APT (Advanced Persistent Threats)
8. ► ID Theft over Phishing/Spamming and Cyber Impersonations
9. ► Illegal Spying (Espionage) over Digital Media/Internet
10. ► Mobile Device (Phones/Tabs) Based Attacks/Crimes and Violations

IDENTIFIED CYBER AND DIGITAL ALLIED ATTACKS TO SRI LANKAN CYBER SPACE… (Contd.)

11. Social Media/Social Network Violations
12. Serious Illegal Data Breach/Data Leak
13. Email Associated Frauds/Crimes (Financial and Supplementary)
14. Cyber Embezzlements (Misuse)
15. Digital Intellectual Property Violations (Theft)
16. Illicit Money Transferring/Drug Trading
17. Digital Defamatory and Associated Personal Reputational Violations
18. System Hacking, Offensive and Intentional System Damages
19. Cyber Stalking (Online Harassment)
20. Online Credit Card Frauds/Credit Card Skimming and Money Laundering

IDENTIFIED CYBER AND DIGITAL ALLIED ATTACKS TO SRI LANKAN CYBER SPACE… (Contd.)

21. ATM Frauds and Bank (Financial Institution) Allied Frauds
22. Physical Security and Personal Security Violations
23. Scams, Digital Investment and Escrow (Auction) Services Frauds
24. Web Based Extortions (Forceful Online Money Obtaining)
25. Malware Allied Attacks (Virus, Trojan, Rootkit, Bootkit, Worm etc.)
26. Software Piracy, Copyright Infringement and Warez
27. Pornography
28. Child Pornography
29. Cyber Terrorism

WHY CYBERCRIMES ARE MORE AGGRESSIVE IN SRI LANKA?

- Internet/Network Security has NOT become a top priority in many organizations.
- Internet security budgets – lower than required.
- Lack of awareness of the employees from the top to bottom.
- Lack of expertise to act when incidents are occured.
- Impossibility of revealing processes unique to an organization.
- Legislations are in place but no guidelines have been set-out in individual organization level.
- Inaccessibility to proper evidence collecting mechanism.
- Deviations in legal frameworks among the different countries.
- Lack of Computer Forensic expertise to conduct investigations.
- Serious Aggressiveness of Broadband Internet and Mobile Penetration in the Nation.
- Augmented Broadband Internet (Wired/Wireless) Technology Penetration (4G LTE, HSDPA/3G, CDMA, WiMAX, ADSL+ etc.)

SRI LANKA (FUTURE CYBERCRIME CLASSIFICATION)

FOR GENERAL PUBLIC

- UNCLASSIFIED
- SENSITIVE BUT UNCLASSIFIED.
- CONFIDENT

FOR NATIONAL LEVEL

- SECRET (NATIONAL SECURITY – MINOR RISK)
- TOP SECRET (NATIONAL SECURITY – MODERATE RISK)
- CODE-RED (NATIONAL SECURITY – HIGH RISK)
- BROKEN ARROW (NATIONAL SECURITY – EMERGENCY)

AUTHORITIES AND GOVERNING BODIES IN SRI LANKA

ICTA-www.icta.lk (Information and Communication Technology Agency)

SLCERT - www.slcert.gov.lk

Sri Lanka Computer Emergency Response/Readiness Team

ISACA Sri Lankan Chapter – www.isaca.lk

Information Systems Audit and Control Association

ISSA Sri Lankan Chapter – www.issa.org

International Social Security Association

VARIOUS STATE DEPARTMENTS

Government Analyst Department, Government Printer, Attorney General and State Universities

PRIVATE SECTOR ORGANIZATIONS (LIMITED AMOUNT)

THANK YOU