

Dr. Kaleem Ahmed Usmani

Ph.D. (*Computer Applications, Specialisation-Computer Security*), CEH, BS 25999 Lead Auditor (BSI), ISO 27001 Lead Auditor (IRCA)

Head, Computer Emergency Response Team of Mauritius (CERT-MU)

Government Cybersecurity Expert representing Mauritius on United Nations Group of Governmental Experts (UNGGE) for the cycle 2019-2021



Representing in a personal capacity as a Cybersecurity Expert on the African Union Cyber Security Expert Group (AUCSEG)

Operations Committee Member 2016-2017, 2017-2018, 2018-2019, 2019-2020, Cybersecurity Alliance for Mutual Progress (CAMP). CAMP is a cybersecurity alliance of 38 countries and is driven by the Korean Internet Security Agency (KISA), Seoul, South Korea.

Board Member, AFRICACERT, AFRINIC NomCom 2018 Member

Panel Member, National Disaster Cybersecurity and Cybercrime Committee, Mauritius

Panel Member, National IT Legislation Drafting Committee, Mauritius

Medalist, IT Personality of the Year Award -2011 (Awarding Body: BCS Mauritius)

Qualification Details:

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| 2015 | Graduate Diploma in Leadership Development in ICT and Knowledge Society Development, Dublin City University, Dublin, Ireland (Distinction) |
| 2014 | Ph.D. in Computer Applications (<i>Thesis Title: Enhanced Security Framework for Ubiquitous Computing</i>), Guru Gobind Singh Indraprastha University, New Delhi, India |
| 2000 | Masters of Computer Science & Applications (M.C.A.), Aligarh Muslim University, Aligarh, India |
| 1997 | Bachelor of Science in Mechanical Engineering, Aligarh Muslim University, Aligarh, India |

Expert Areas:

Networks:

- LAN: Ethernet, Fast Ethernet, Gigabit Ethernet
- TCP/IP, DNS, DHCP, WINS
- Cisco Routers (2800 / 3600 / 3800 series)
- Cisco switches (C2960 / C3560 / C3750 series)
- Routing protocols RIP / OSPF / EIGRP / BGP
- VPNs – GRE / IPsec / DMVPN / SSL / MPLS

- Firewalls (Cisco PIX 501 and Checkpoint)
- Securing VLANs, switch access, IDS, IPS, IPV6

Security:

- Information Risk Management
- ISO 20000, COBIT, PCI DSS, NIST
- Security Incident Response Programs
- Contingency Planning
- IT Audit & Compliance Management
- Security Tools, Processes & Policies
- IT Governance & Best Practices
- Information Privacy & Online Safety
- Cyber Forensics Investigation

Industry thought leadership and activities

Over 16 years rich experience in Cybersecurity, IT management, consultancy, network engineering and system administration, implementation and training.

- Driven the development of National Cybersecurity Strategy, National Cybercrime Policy & Strategy, National Cyber Incident Response Plan and drafting of the Critical Information Infrastructure Protection Framework as part of the national Cybersecurity initiative. Provided substantial inputs in drafting the national cybersecurity legislations.
- Developed the Public and Private Partnership model as part of the National Cybersecurity Strategy.
- Assisted in designing and implementation of an Incident Handling Model suited to CERTs.
- Promoted the implementation of Information Security Management System at the national level
- Promoted and coordinated cyber security awareness programmes for executives, IT professionals, youths and senior citizens.
- Authored no. of papers published in International Journals, Conferences and Magazines
- Authored articles on Information Security in local Mauritian newspapers
- Speaker at numerous industry conferences and executive forums (e.g. UN, Council of Europe, SADC, UNECA, COMESA, Indian ocean Commission forums, AFRINIC Meetings, times group Webinars etc.)
- Organised international forums such as ITU International Cybersecurity Drill for African region, Forum of Incident Response and Security Teams (FIRST) Technical Colloquium through sponsorships
- Coordinated the organization of national cyber drills for critical infrastructures.
- Coordinated the bilateral agreements by signing a memorandum of understanding with CERT India, Japan CERT, STQC India, Symantec Corporation etc.
- Lead the affiliation exercise with international institutions such as Forum of Incident Response and Security Teams (FIRST), USA and Cybersecurity Alliance with Mutual Progress, South Korea.

Personal Details:

- Nationality: Mauritian
- Languages Known: English, French, Hindi, Urdu
- Marital Status: Married