Two-Day Workshop on Cyber Crime and Forensics

for Law Enforcement Officers of Bengaluru Cyber Crime Division

February 14-15, 2020

Venue: International Institute of Information Technology Bangalore (IIITB)

Topic	Overview of the Sessions	Time	Resource Person
	14 February 2020 (Friday)		
Inauguration	Inauguration and introduction of the participants & workshop coordinators	9:30-10:00	Director, IIIT-B Workshop Faculty Coordinators
Examples of cybercrimes/ cyberattacks and their effects	Illustration of a taxonomy of cybercrimes through recent examples; assignment of select cyber incidents to groups of participants	10:00-10:30	Profs. Sridhar, Tricha Anjali, Vivek Srinivasan
Tea Break 10:30-11:00			
Legal aspects of cybercrime and forensics-1	Overview of IT Act, Applicability of IT Act to cyber incidents	11:00-12:00	Srinjoy Banerjee, Founder, Excaliburancy/ V. Sridhar
Network Security and Forensics	Basics of networking technology to provide an understanding of how Internet crimes can be investigated	12:00-13:00	Prof. Tricha Anjali
Lunch 13:00-14:00			
Hacker's toolkit (sample) for perpetrating crime with case studies	Basics on the mindset of hackers and the tools and methodology they use for carrying out cyber incidents	14:00-15:00	Mohan Ram/ Harish Ramani, Tevel Cybercops
Cybercrime Investigation and Forensics-1	Basics on how to collect cybercrime evidence by the Investigating officers; how to transport article and file questionnaire for forensic investigation	15:00-16:00	Ms. Kumuda Rani, Cyber Forensic Section, Forensic Services Lab
Tea Break (To be served in the class room)			
Group Exercise	Group Exercise on solving select cybercrimes, details of which were provided in the morning session	16:00-17:00	Coordinated by Faculty coordinators and IIIT-B students

15 February 2020 (Saturday)			
Cyber forensic analysis & tools	Methodology on cyber forensics analysis, overview of cyber forensic analysis tools, demonstration of certain tools, techniques and demos for Recovery of Evidence from Computers/ Mobiles	9:30-11:00	Venkatesh Murthy K, Director, Data Security Council of India
Tea Break 11:00-11:30			
Role of Cryptography in Information Security	Cryptography as a tool for cyber security and its role in digital forensics	11:30-12:30	Prof. Ashish Choudhury, Prof. Vivek Srinivas
Legal aspects of cybercrime and forensics-2	Draft Intermediary Guidelines, Indian Telegraph Act, Personal Data Protection Bill	12:30-13:00	Prof. V. Sridhar, IIIT-B
Lunch 13:00-14:00			
Cybercrime Investigation and Forensics-2	Basic use of tools for forensic analysis	14:00-15:00	Ms. Kumuda Rani, Cyber Forensic Section, Forensic Services Lab
Investigate methods to determine the hacker presence	Basics of tracing and determining hacker trail	15:00-15:45	Mohan Ram/ Harish Ramani, Tevel Cybercops
Group Exercise	Each group to present how they will go about investigating the assigned cyber incidents towards resolution	15:45-17:15	Workshop faculty coordinators
Concluding Remarks		17:15-17:30	Faculty coordinators and participants