

Best Practices and Global Industry Standards for Computer and Digital Forensics

21st November – 2nd December 2016 , Anna University, Chennai

Overview

Digital and Computer Forensics deal with the recovery and analysis of digital and electronic data in electronic devices, such as computers, laptops, mobile phones and internet-of-things devices. This course will provide a foundation in the field of Digital and Computer Forensics. Participants will learn how to obtain and analyze digital information for possible use as evidence in civil or criminal cases, or for use in the private sector, e.g., during internal corporate investigations or network intrusion investigations.

Critical topics within the field of Digital and Computer Forensics include (i) computer forensics related to computer hardware; (ii) computer forensics related to computer software; (iii) hard disk volume and file system analysis; (iv) data analysis; (v) preservation, verification and authentication; and (vi) best practices and international industry standards related thereto. Hands-on exercises guide discussions and reinforce the subject matter.

The course instructor will utilize his own professional experiences in the field and provide case studies and real-world, practical exercises and laboratory sessions.

The career path and demand for computer and digital forensics professionals continues to grow at more than 27 percent annually. This trend will continue as more and more mobile and Internet-of-Things (IoT) devices are used by consumers and businesses. These billions of mobile and IoT devices will further require the demand for well-trained computer and digital forensics professionals.

Dates	21 st November – 2 nd December 2016
Modules	A: Background on Computer and Digital Forensics B: Data Recovery Tools, Techniques and Best Practices C: Preservation, Authentication and Chain of Control of Recovered Data D: Data Analyses <i>Number of participants for the course will be limited to 50.</i>
Learning Outcomes	<ul style="list-style-type: none">▪ Correctly identify the use of computer and digital forensics▪ Correctly utilize appropriate tools for different instances for applications of computer and digital forensics▪ Correctly collect and analyze computer forensic data and evidence▪ Identify and recite the most critical and important concepts, algorithms, protocols, tools, and methodologies of Computer and Digital Forensics▪ Prepared to become a Computer and Digital Forensics professional and practitioner▪ Prepared to become a professor or teacher in the field of Computer and Digital Forensics
Who Can Attend	<ul style="list-style-type: none">▪ Faculty/Researchers from academia and private companies▪ Students (UG/PG) with basic knowledge of computer hardware and software, and basic knowledge of computer disk and file systems
Fees	<ul style="list-style-type: none">▪ Industry/research organizations: Rs. 10,000/-▪ Academic institutions: Rs. 3,000/-

The Faculty



Sandeep Chatterjee, Ph.D. is a seasoned technology expert and business professional with almost two decades of hands-on contributions as a thought leader, technologist, consultant, entrepreneur, and author. He is an expert in computer software and hardware systems, and has extensive experience with providing expert testimony for intellectual property and commercial litigation, including for high stakes patent litigation, copyright and trade secret misappropriation, contract disputes and patent licensing cases. He has testified at trial, and has had his deposition taken more than 30 times. Dr. Chatterjee combines strong experience with expert testimony within the context of litigation together with worldwide experience in designing, architecting and implementing complex computing systems.

Dr. Chatterjee is the Founder and Chief Executive Officer of EVx (www.evxglobal.com), a unique training and skills development company that has been featured by the World Intellectual Property Organization's WIPO Magazine, and is also the Founder and Chief Executive Officer of Experantis (www.experantis.com), a leading U.S. intellectual property and commercial litigation company.

Education

Executive Education Program in Global Leadership
Harvard University

Ph.D., Computer Science
Massachusetts Institute of Technology (MIT)

M.S., Electrical Engineering & Computer Science
Massachusetts Institute of Technology (MIT)

B.S., Electrical Engineering & Computer Science
University of California at Berkeley

Honors & Awards

Dr. Chatterjee was named **Young Global Leader** by the **World Economic Forum** for his professional accomplishments, commitment to society and potential to contribute to shaping the future of the world.

Dr. Chatterjee's doctoral dissertation at MIT was selected as **one of the most important inventions in computing**, and is preserved and showcased in a time capsule at the **Museum of Science** in Boston, Massachusetts (U.S.A.). Other recipients of this honor included **Bill Gates**, the founder of Microsoft, and **Tim Berners-Lee**, inventor of the World Wide Web.



Dr. S. Thamarai Selvi is working as Professor at Department of Computer Technology, MIT Campus, Anna University. Her area of research interest includes Grid Computing, Cloud Computing, Neural Networks and e-learning. She is also co-author of book titled "Mastering Cloud Computing".

Course Co-ordinator

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For Registration:

<http://www.gian.iitkgp.ac.in/GREGN>

and

<https://www.annauniv.edu/gian/course.html>