Department of Digital and Cyber Forensics,
Institute of Forensic Science, Mumbai.

Date : 23/01/2018

To,
Director,
Institute of Forensic Science, Mumbai.

Subject : Cyber Department Report

Respected Madam,

As per above mention subject, various activities were organized at department of digital and cyber forensics throughout the year Cyber Department Report is attached herewith this letter.

Thank you.

Yours faithfully,

Head of the Department
Department of Digital and Cyber Forensics

INSTITUTE OF FORENSIC SCIENCE, MUMBAI

DEPARTMENT OF DIGITAL AND CYBER FORENSIC

Departmental Report

Department of Digital and Cyber Forensic organized a workshop on '**Linux basics'** on 12th July 2017 for B.Sc. and M.Sc. Students.

Department of Digital and Cyber Forensic organized 30 hours Short Term Training Program **on Certified Computer Forensic Professional (Basic)** in the month of Oct/Nov 2017 for M.Sc. and PG Diploma in Digital and Cyber Forensic Students.

Mr. Milind Meshram participated in **DIGITAL FORENSICS USER SUMMIT 2017 – MUMBAI** on 22nd Auguest 2017.

Mr. Milind Meshram and Mr. Swaroop Manerikar attended One Day Blended Training program at PTC Marol Organized by YASHADA Pune on 22nd Dec 2017.

INSTITUTE OF FORENSIC SCIENCE, MUMBAI

DEPARTMENT OF DIGITAL AND CYBER FORENSIC

Summary report for Short Term Training Program on Certified Computer Forensic Professional Basic.

Cyber Forensic is an emerging field which encompasses computer forensic, network forensics, mobile forensics and cyber security. As our Institute provides Post Graduate Diploma in Digital and Cyber Forensic and Related Laws which is a one year full time program for the students and professionals. Moreover, there is a huge demand of specialized short term training program by the students. So our institute planed to initiate specialized short term training program in cyber forensic.
Moreover, this training program is to enrich the student by providing industrial knowledge in the field of Digital and Cyber Forensic.
This training program was organised in collaboration with M/s. Hexa Digital Forensic Corporation, Mumbai which is an independent computer forensics company that provides services in digital forensics and investigations, IT security audits, Intellectual Property Rights(IPR) and training in digital forensics and IT security.

Mr. Ramesh Ogania has covered Module1 and module 3 and Adv. Arun Gaikwad and Adv. Vicky Shah covered Module 2 and Module 4

Short Term Training Program on Certified Computer Forensic Professional(Basic)

Summary Report

1	Trainer	Mr. Ramesh Ogania,
2	Profile of the Trainer	Trainer and CEO M/s. Hexa Digital Forensic Corporation
3	Duration	30 Hours (28th and 29th October 2017 and 4th , 5th and 6th November 2017)
4	Program Schedule	10:00 AM to 5:30 PM
5	Topics Covered	Attached
6	Students participated	08 (Eight)
7	Infrastructure used	1. Computers 2. Internet connection
8	Material or tools provided by Guest	1. Lecture notes 2. Forensic tools

Mr. Milind Meshram
Head, Dept. of D.C.F.

INSTITUTE OF FORENSIC SCIENCE, MUMBAI
(Department of Digital and Cyber Forensics)

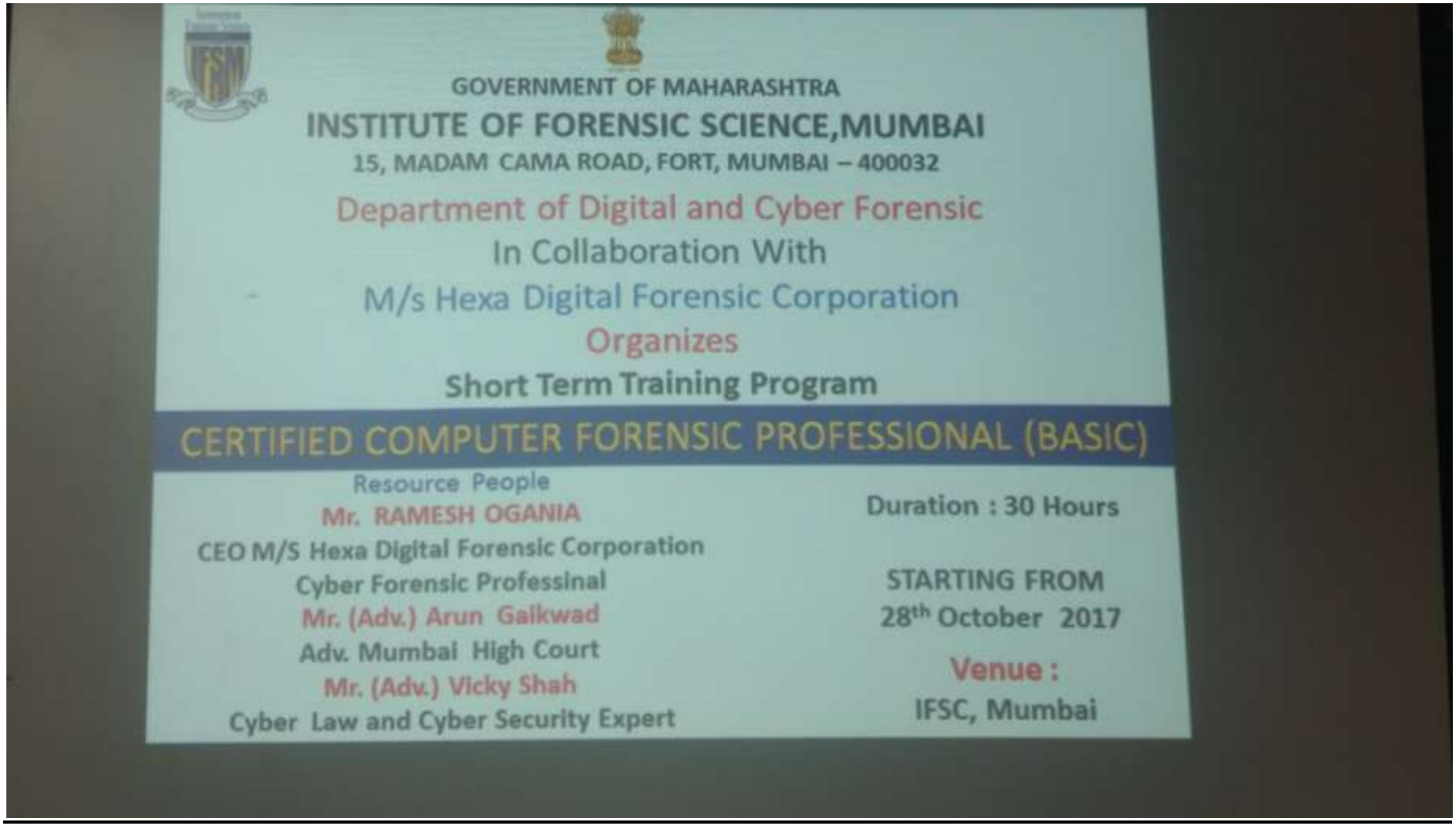
Short Term Training Program on Certified Computer Forensic Professional (Basic)

Skills & Proficiency achievement

Sr.	Modules	Skills & Proficiency achievement
1.	**Module – I** • Introduction to Computer, Network & Internet, Computer Hardware and its Components • Introduction to File Systems and Operating Systems • Introduction to different types of Cyber Crime • Introduction to Cyber Crime Investigations	• Operation part of technology and devices in practical. • Understanding different file systems and structures for different file systems used by computer system and operating system •Understanding different types of cyber crime its definition and modus operandi. • Understanding Different techniques of investigating cyber crime and its legal aspects
2	**Module – II** Introduction to Cyber Law, Indian IT ACT, Indian Evidence ACT, Indian Penal Code (Information Technology offenses), Indian Criminal Procedure(Cr. PC) for search and seizure procedure of Information Technology evidences	Understanding Legal aspects of cyber crime, Cyber crime forensics, Indian Cyber evidences, presentation in court of law. Expert witnessing procedure besides Understanding Indian IT ACT, Indian, Evidence ACT, Indian Penal Code (Information Technology offenses), Indian Criminal Procedure Code (Cr Pc) for Search & Seizure procedures of Information Technology evidences
3	***Module – III*** Introduction to Computer Forensics and Investigations. Introduction to Computer Forensics Tools & Techniques Disk Imaging, Hash and cloning, Acquisition on Live System Recovering Deleted Data. Searching Files by contents on a disk/partitions	Understanding Procedure and techniques used in cyber forensics & Investigation Understanding Various tools and techniques used by worldwide Law enforcement agencies and practicing professionals in the field of Cyber forensics and investigations. Practical session on Disk Imaging, Hash and cloning, Acquisition on Live System. • Practical session on Recovering Deleted Data and meta data using data carving technique.

	Introduction to Password Cracking Introduction to Digital Signature. Data Hiding Techniques Recovering and reading hidden/Encrypted files. Steganography, Investigating, Steganography	• Practical session on Searching Files by contents on a disk/partitions. Practical session on different techniques to crack passwords of file and systems. • Practical Session on Creating Private Digital Signature for personal Secure Communications and data security over Network system. • Practical session on different techniques used by criminals to hide data and tracing it. • Practical session on identifying Encrypted data and decrypting it. • Practical session on Steganography and detection
4	**Module – IV** • Documentation & Presentation of Evidence (Expert Witnessing)	Practical session on drafting Forensics Investigation report, Drafting Certificate under Sec 65B of Indian Evidence Act, Expert witnessing

GOVERNMENT OF MAHARASHTRA
INSTITUTE OF FORENSIC SCIENCE,MUMBAI
15, MADAM CAMA ROAD, FORT, MUMBAI – 400032
Department of Digital and Cyber Forensic
In Collaboration With
M/s Hexa Digital Forensic Corporation
Organizes
Short Term Training Program
CERTIFIED COMPUTER FORENSIC PROFESSIONAL (BASIC)
Resource People
Mr. RAMESH OGANNA
CEO M/S Hexa Digital Forensic Corporation
Cyber Forensic Professinal
Mr. (Adv.) Arun Gaikwad
Adv. Mumbai High Court
Mr. (Adv.) Vicky Shah
Cyber Law and Cyber Security Expert
Duration : 30 Hours
STARTING FROM
October 2017
Mumbai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CEO M/S Hexa Digital Forensic Corporation
Cyber Forensic Professinal
Mr. (Adv.) Arun Gaikwad
Adv. Mumbai High Court
Mr. (Adv.) Vicky Shah
Cyber Law and Cyber Security Expert
Duration : 30 Hours
STARTING FROM
28th October 2017
Venue :
IFSC, Mumbai

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Resource People
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CISA, CEH,M/S Hasa Digital Forensic Corporation
Mr. (Adv.) Arun Gaikwad
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Forensic Science