

**INSTITUTE OF FORENSIC SCIENCE  
GUJARAT FORENSIC SCIENCES UNIVERSITY**



**ONLINE CERTIFICATE DIPLOMA IN  
CYBER CRIME INVESTIGATION**

**CCCI**

# Online Certificate Diploma in Cyber Crime Investigation



## DATES FOR 2013-14 BATCHES

### **Batch: CCI-1**

Starts: 1<sup>st</sup> December, 2013

Ends: 31<sup>st</sup> May, 2014

### **Batch: CCI-2**

Starts: 1<sup>st</sup> March, 2014

Ends: 31<sup>st</sup> August, 2014

### **Batch: CCI-3**

Starts: 1<sup>st</sup> June, 2014

Ends: 30<sup>th</sup> November, 2014

### **Batch: CCI-4**

Starts: 1<sup>st</sup> September, 2014

Ends: 28<sup>th</sup> February, 2015

### **Batch: CCI-5**

Starts: 1<sup>st</sup> December, 2014

Ends: 31<sup>st</sup> May, 2015

*Registration for the course closes 7 days prior to the course start date.*

Course Fees: **Rs 10,000**

**Eligibility:** Graduation in any stream from a recognized University.

## **ABOUT IFS-GFSU**

This course is provided by Institute of Forensic Science, Gujarat Forensic Sciences University (IFS-GFSU).

The Government of Gujarat, under the flagship of the Home Department of the Government of Gujarat, has established GFSU.

GFSU is the only university across the world, dedicated to Forensic & Investigative Science.

Gujarat Forensic Sciences University  
DFS Head Quarters, Sector 18-A,  
Near Police Bhavan,  
Gandhinagar-382007,  
Gujarat - India

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## **A. About the Course**

### **A1. About Cyber Crime Investigation**

Cyber Crime Investigation is the collecting, analyzing and investigation of digital evidence and cyber trails.

This digital evidence may be found in computer hard disks, cell phones, ipods, pen drives, digital cameras, CDs, DVDs, floppies, computer networks, the Internet etc. Digital evidence can be hidden in pictures (steganography), encrypted files, password protected files, deleted files, formatted hard disks, deleted emails, chat transcripts etc.

Digital evidence can relate to Child Abuse or Exploitation, Computer Intrusion or hacking, Counterfeiting, Credit Card Fraud, Death Investigation, Defamation, Denial of Service, Domestic Violence, Threats, and Extortion, E-mail account hacking, Email scams, Gambling, Identity Theft, Money Laundering, Music Piracy, Narcotics, Online sale of illegal articles, Online share trading fraud, Organized crime, Phishing, Pornography, Prostitution, Social networking sites related cases, Software Piracy, Source code theft, Tax evasion, Telecommunication Fraud, Terrorism, Theft of confidential information, Threats, Extortion, Harassment, Stalking, Virus attacks, Web defacement, etc.

### **A2. Prerequisites**

The candidate must be a graduate in any stream from a recognized University.

### **A3. Reference Material**

Candidates will be provided reference material in electronic form.

### **A4. Fees**

<b>Particulars</b>	<b>Fee</b>
Course Fees	10,000

#### **Note:**

1. In case a candidate fails the exam, he / she will be required to pay a re-examination fee of Rs 1,500.
2. No fee refunds will be made to any registrant.
3. On registering for the certification, the candidate shall be provided the reference material in electronic form.
4. Contact lectures shall be provided at Gujarat Forensic Sciences University, Gandhinagar.

### **A5. Passing Score**

To pass, a candidate must obtain a minimum of 50% in each of the online exam.

## A6. Dates

<b>Batch</b>	<b>Start date</b>	<b>End date</b>
CCI-1	1 <sup>st</sup> December, 2013	31 <sup>st</sup> May, 2014
CCI-2	1 <sup>st</sup> March, 2014	31 <sup>st</sup> August, 2014
CCI-3	1 <sup>st</sup> June, 2014	30 <sup>th</sup> November, 2014
CCI-4	1 <sup>st</sup> September, 2014	28 <sup>th</sup> February, 2015
CCI-5	1 <sup>st</sup> December, 2014	31 <sup>st</sup> May, 2015

## A7. Course Syllabus

### 1. BEST PRACTICES & INTERNATIONAL STANDARDS

- 1) Good Practice Guide for Computer-Based Electronic Evidence by Association of Chief Police Officers (ACPO), UK
- 2) Best Practices For Seizing Electronic Evidence by the United States Secret Service
- 3) Investigations Involving the Internet and Computer Networks by the US Department of Justice
- 4) Cyber Crime Investigation Manual by Asian School of Cyber Laws

### 2. ELECTRONIC DEVICES: TYPES, DESCRIPTION, AND POTENTIAL EVIDENCE

- 1) Computer Systems
- 2) Storage Devices
- 3) Handheld Devices & Cell-phones
- 4) Peripheral Devices
- 5) Computer Networks
- 6) Call Detail Records
- 7) Other Potential Sources of Digital Evidence

### 3. INVESTIGATIVE TOOLS AND EQUIPMENT FOR COLLECTING DIGITAL EVIDENCE

### 4. SECURING AND EVALUATING THE SCENE

### 5. PRELIMINARY INTERVIEWS

### 6. DOCUMENTING THE SCENE

### 7. EVIDENCE COLLECTION

### 8. PACKAGING, TRANSPORTATION, AND STORAGE OF DIGITAL EVIDENCE

### 9. ELECTRONIC CRIME AND DIGITAL EVIDENCE CONSIDERATIONS

- 1) Child Abuse or Exploitation
- 2) Computer Intrusion or hacking
- 3) Counterfeiting
- 4) Credit Card Fraud
- 5) Death Investigation
- 6) Defamation
- 7) Denial of Service
- 8) Domestic Violence, Threats, and Extortion
- 9) E-mail account hacking

- 10) Email scams
- 11) Gambling
- 12) Identity Theft
- 13) Money Laundering
- 14) Music Piracy
- 15) Narcotics
- 16) Online sale of illegal articles
- 17) Online share trading fraud
- 18) Organized crime
- 19) Phishing
- 20) Pornography
- 21) Prostitution
- 22) Social networking sites related cases
- 23) Software Piracy
- 24) Source code theft
- 25) Tax evasion
- 26) Telecommunication Fraud
- 27) Terrorism
- 28) Theft of confidential information
- 29) Threats, Extortion, Harassment, Stalking
- 30) Virus attacks
- 31) Web defacement

#### **10. LEGAL & DOCUMENTATION ISSUES**

- 1) Information Technology Act
- 2) Indian Penal Code
- 3) Code of Criminal Procedure
- 4) Indian Evidence Act
- 5) Documentation Issues – *First Information Report, Property Search & Seizure Form, Final Form/ Report, Relevant checklists, Relevant reports*

## B. About GFSU



This certification is provided by Institute of Forensic Science, Gujarat Forensic Sciences University (GFSU).

GFSU is established by the Government of Gujarat, under the flagship of the Home Department - Government of Gujarat.

The GFSU is a highly specialized higher education institution that came into existence through an Act: No. 17, passed by the Gujarat State Legislative Assembly, dated the 30th of September 2008.

The University runs in parallel association with the Directorate of Forensic Science (DFS) - Gujarat State, to provide hands-on training.

DFS - Gujarat State is a state-of-the-art; NABL accredited; ISO-IEC 17025:2005 certified laboratory, maintaining international standards in terms of infrastructure and facilities for Computer Forensics, Narco-analysis and Polygraph Examination, Brain Electrical Oscillation Signature Profiling.

It also has Suspect Detection System (SDS), Audio Video Tape Authentication System, Voice Spectrograph, Speech Lab, Integrated Ballistics Identification System, Computerized Petroleum Testing Facilities,

Fully Automated Alcohol Estimation System (GC-HS) FT-Raman, LC-MS, GC-MS, FT-IR for Narcotic/Explosive/Poisons Analysis, Computerized Photographic Image Analysis System, Video Spectral Comparator for Document Examination, Accredited Cow-meat testing mobile laboratories, Accredited Mobile Investigation Vans, Ballistics Data Acquisition System (Computerized firing range) and Automated Fingerprint Identification System.

**GFSU is the only university across the world, dedicated to Forensic & Investigative Science.**

The GFSU has an ultramodern campus, near the DFS premises, on a government allocated land of 50,000 Square Meters.

The University is headed by its Director General Dr. J. M. Vyas (M.Sc., Ph.D., LL.B.). Dr. Mohinder Singh Dahiya (M.Sc., Ph.D.) is the Director for the Institute of Forensic Science, Gujarat Forensic Sciences University. Shri Mehul K. Dave is the first Registrar of the Gujarat Forensic Sciences University.

The university has been granted recognition by the University Grants Commission wide its letter no. F.9-7/2011 (CPP-I/PU) dated 16<sup>th</sup> May 2011.





## F. FEE DETAILS

Bank Draft number \_\_\_\_\_ Dated \_\_\_\_\_ for **Rs. 10,000** (non-refundable)

Bank Name \_\_\_\_\_ Branch \_\_\_\_\_

Favouring: "**The Registrar, Gujarat Forensic Sciences University**" Payable at **Gandhinagar**, Gujarat

## G. ADDITIONAL QUALIFICATIONS (IF ANY)


## H. DOCUMENTS

Please enclose **self-signed photocopies** of the following documents:

### 1. Proof of identity: (any one)

Driving license       Passport       PAN Card       College ID card

### 2. Proof of employment in law enforcement agency (any one)

Identity card       Declaration on official letterhead       Other (pl specify)

## I. ADDITIONAL INFORMATION

*Have you ever been convicted of a cognizable offence or a Court Martial in military service?  
If yes, provide details.*

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*Have you ever had a professional license, certification, membership or registration revoked?  
If yes, provide details.*

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The Application Form, duly completed, is submitted along with the relevant fee and supporting documents. All the information provided is true to the best of my knowledge and belief. Please acknowledge receipt of the same and confirm my registration.

Regards,

(Applicant's Signature)

Date

## **UNDERTAKING**

1. IFS-GFSU may, at its sole discretion, make inquiry of persons or documents directly or indirectly referenced in this application to verify the accuracy and completeness of the information provided by me. I agree to cooperate in any such investigation by IFS-GFSU regarding the information I have provided.
2. I understand that my non-cooperation in such investigation or my providing any information that is fraudulent, misleading or false may result in the refusal of IFS-GFSU to issue a credential to me. It may also lead to my being barred from ever holding a IFS-GFSU credential.
3. I undertake to inform IFS-GFSU, without delay, of matters that can affect my capability to fulfil the course requirements. I shall comply with the relevant provisions of the IFS-GFSU rules.
4. I undertake not to release confidential examination materials or participate in fraudulent test-taking practices.
5. I agree to comply with the course requirements and to supply any information needed for the assessment.
6. I understand that any action arising out of any application, examination, certificate, etc. conducted by IFS-GFSU is subject to the courts of Gandhinagar, Gujarat, India.

I have read and understood the statements above and agree to be legally bound by them.

Regards,

(Signature)

Date

### **Submit the filled-in application form, bank draft and documents to:**

Dr. MS Dahiya,  
Director, Institute of Forensic Science,  
Gujarat Forensic Sciences University,  
DFS Head Quarters, Sector 18-A  
Near Police Bhavan, Gandhinagar-382007  
Gujarat - India

Phone: +91-79-65735504 / 65735512