

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



**ONLINE CERTIFICATE DIPLOMA IN
COMPUTER FORENSICS**

CFE

Online Certificate Diploma in Computer Forensics



DATES FOR 2013-14 BATCHES

Batch: CF-1

Starts: 1st December, 2013

Ends: 31st May, 2014

Batch: CF-2

Starts: 1st March, 2014

Ends: 31st August, 2014

Batch: CF-3

Starts: 1st June, 2014

Ends: 30th November, 2014

Batch: CF-4

Starts: 1st September, 2014

Ends: 28th February, 2015

Batch: CF-5

Starts: 1st December, 2014

Ends: 31st 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 Computer Forensics

Computer forensics relates to collecting, examining, analyzing and reporting of electronic evidence. A computer forensics professional:

1. Performs forensic analysis of digital information using standard computer forensics & evidence handling techniques.
2. Uses forensically sound procedures to identify network computer intrusion evidence and identifies perpetrators.
3. Employs forensic tools and techniques.
4. Observes proper evidence custody and control procedures.
5. Documents procedures and findings in a manner suitable for courtroom presentation and prepares comprehensive written notes and reports.

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

Particulars	Fee
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

Batch	Start date	End date
CF-1	1 st December, 2013	31 st May, 2014
CF-2	1 st March, 2014	31 st August, 2014
CF-3	1 st June, 2014	30 th November, 2014
CF-4	1 st September, 2014	28 th February, 2015
CF-5	1 st December, 2014	31 st May, 2015

A7. Course Syllabus

I. Order of Volatility of Digital Evidence

1. Digital Evidence & Hardware Devices
2. Digital Evidence & Data Storage Devices
3. Digital Evidence & Peripheral Devices
4. Digital Evidence & Other Devices
5. Collecting Digital Evidence

II. Cyber Forensics Essentials

1. The Forensic Process
2. Digital Forensic Analysis Methodology
3. File Systems
4. Operating Systems
5. File Extensions
6. Archive Formats
7. File Signatures
8. Using Data from Data Files
9. Data from Operating Systems
10. Data From Network Traffic
11. Data from Applications
12. Data from Multiple Sources

III. Applied Cyber Forensics

1. Forensic Imaging & Cloning
2. Mathematical Authentication of Digital Evidence
3. Media Sanitization
4. Analyzing Active Data
5. Analyzing Latent Data
6. Analyzing Archival Data
7. Analyzing JPEG files
8. Detecting pornography

IV. Cyber Investigation & Forensics Documentation

1. First Information Report
2. Property Search & Seizure Form
3. Final Form/ Report
4. Relevant checklists
5. Relevant reports

V. Windows Forensics

1. Windows Disks, Files and Partitions
2. Windows Boot Sequence
3. Recycle bin forensics
4. Analyzing the hiberfil.sys file
5. Analyzing logs files
6. Paging files
7. Analyzing thumbs.db files
8. Registry Analysis

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 16th 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

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