INSTITUTE OF FORENSIC SCIENCE
GUJARAT FORENSIC SCIENCES UNIVERSITY



ONLINE CERTIFICATE DIPLOMA IN CYBER SECURITY



Online Certificate Diploma in **Cyber Security**

DATES FOR 2013-14 BATCHES

Batch: CS-1

Starts: 1st December, 2013 Ends: 31st May, 2014

Batch: CS-2

Starts: 1st March, 2014 Ends: 31st August, 2014

Batch: CS-3

Starts: 1st June, 2014 Ends: 30th November, 2014

Batch: CS-4

Starts: 1st September, 2014 Ends: 28th February, 2015

Batch: CS-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. Importance of Cyber Security

The importance of Cyber Security can be understood from the following extract from the *Indian National Cyber Security Policy – 2013*:

Cyberspace is vulnerable to a wide variety of incidents, whether intentional or accidental, manmade or natural, and the data exchanged in the cyberspace can be exploited for nefarious purposes by both nation- states and non-state actors.

Cyber attacks that target the infrastructure or underlying economic well-being of a nation state can effectively reduce available state resources and undermine confidence in their supporting structures.

A cyber related incident of national significance may take any form; an organized cyber attack, an uncontrolled exploit such as computer virus or worms or any malicious software code, a national disaster with significant cyber consequences or other related incidents capable of causing extensive damage to the information infrastructure or key assets.

Large-scale cyber incidents may overwhelm the government, public and private sector resources and services by disrupting functioning of critical information systems. Complications from disruptions of such a magnitude may threaten lives, economy and national security. Rapid identification, information exchange, investigation and coordinated response and remediation can mitigate the damage caused by malicious cyberspace activity.

Some of the examples of cyber threats to individuals, businesses and government are identity theft, phishing, social engineering , hactivism , cyber terrorism, compound threats targeting mobile devices and smart phone, compromised digital certificates, advanced persistent threats, denial of service, bot nets, supply chain attacks, data leakage, etc.

The protection of information infrastructure and preservation of the confidentiality, integrity and availability of the information in cyberspace is the essence of a secure cyber space.

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
CS-1	1st December, 2013	31st May, 2014
CS-2	1st March, 2014	31st August, 2014
CS-3	1st June, 2014	30 th November, 2014
CS-4	1st September, 2014	28th February, 2015
CS-5	1st December, 2014	31st May, 2015

A7. Course Syllabus

- 1. Desktop and Laptop Security
- 2. Cell Phone Security
- 3. Network & Internet Security
- 4. Media Sanitization
- 5. Data Protection & Cryptography
- 6. Contingency Planning
- 7. Information Technology Security Guidelines

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 Computerized Photographic Image Analysis System, Video Spectral Comparator for Document Examination, Accredited Cowmeat 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.

C. Application Form for Online Certificate Diploma in Cyber Security



To, Director, Institute of Forensic Science, Gujarat Forensic Sciences University, Gandhinagar

I am desirous of taking admission in the *IFS-GFSU Online Certificate Diploma in Cyber Security.* My personal information is as under:

A. NAME First Middle Last	Please paste your recent passport size colour photograph in this box. DO NOT STAPLE		
B. DATE OF BIRTH Day Month Year D. GENDER Female Male Male			
E. ADDRESS FOR COMMUNICATION Apartment / House Number & the Name of the Building Street / Road / Boulevard			
Town / City			
State	PIN Code / ZIP		
Email Address			
Cell / Mobile number Phone number (v	vith ISD / STD code)		

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 PAN Card College ID card Passport 2. Proof of employment in law enforcement agency (any one) Identity card Declaration on Other (pl specify) official letterhead I. ADDITIONAL INFORMATION Have you ever been convicted of a cognizable offence or a Court Martial in military service? If yes, provide details. Have you ever had a professional license, certification, membership or registration revoked? If yes, provide details. 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,

Date

(Applicant's Signature)

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.

(Signature)		Date

Regards,

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