



**Cyberra Legal Services**



**Bharatiya Vidya Bhavan's  
H. B. Institute of Communication and Management**  
In Association with  
**Cyberra Legal Services**  
Present  
**Three Months Certificate Programme on  
Cyber Crime, Cyber Laws, Digital Forensics and Ethical Hacking**

Information technology has enhanced the communication & has facilitated the growth of trade and commerce. The technology has fastened the e-commerce, e-Governance, net banking, mobile banking, online share trading and other commercial transactions. Cyber Criminals carry out online frauds and other criminal activities such as online defamation, data theft, obscenity, online pornography, phishing, violence, etc. The biggest advantage for the offenders committing online crimes is that they can remain anonymous. The regulatory sphere is still in a nascent stage and continuously evolving every passing day. This program is organized by the Bhavan's HBICM and CLS Cyberra Legal Services. The aim is to extend knowledge of cyber security, forensics & cyber laws amongst upcoming lawyers, IT, Management, Arts and Commerce Students.

**About Bhavan's HBICM**

Bharatiya Vidya Bhavan is one of the heritage institutions of India founded by Late Shree Kanaiyalal Maneklal Munshiji with the vision to make Indian Culture known to all around the globe.

The road map for the same was to cater to the young generation with upgraded professional knowledge and culture of India.

Bhavan's H. B. Institute of Communication and Management is one of the oldest institutions of Ahmedabad, which has catered to the professionals in the field of communication and management. We have designed this course in association with CLS to make the young generation and anybody who uses internet, information technology, cell phones and social websites especially to make them aware of the dangers that come along with the usage of the same. Government of India has also developed laws to make such usages safe. We want to make the new generation advance by knowing the pros and cons of the system and be successful in life.



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### **About CLS (Cyberra Legal Services)**

Founded in Ahmedabad in 2003, CLS is a premier organization in information security & cyber law advisory, consultancy, training and education. It is the first of its kind of service venture in Gujarat with Key Personnel who are Technology Graduates, Law graduates, Ethical Hackers having specialization in cyber laws. CLS serves its various clients in five cities namely Ahmedabad, Gandhinagar, Baroda, Rajkot and Delhi. CLS, in association with Manan Thakker & Associates (Advocates & Cyber Law Consultants), have filed highest number of cyber fraud and compensation matters in the state of Gujarat until March 2017. CLS's key person is appointed as a member in Cyber Security Consultant Selection Committee, GIL, Govt. of Gujarat, Cyber Security Committee of Raksha Shakti University, Executive Committee (2017) of IEEE, Gujarat Section. CLS also holds membership in GESIA and CGA.

### **GOALS of the Program**

- To facilitate understand & critical understanding about Cyber crimes, Ethical Hacking, cyber security, forensics and cyber laws.
- Exploration of the legal and policy developments in various countries for cyber space
- To provide in-depth knowledge of Information Technology Act, 2000 including Information Technology Amendment Act, 2008
- Understanding e-Governance, Electronic Contracts, e-Banking & Secure electronic records.
- To train and prepare candidate to consider Cyber security, forensics and cyber laws as a career option.

### **Eligibility Criteria**

The said program is open for professionals and practitioners of the areas of cyber security, cyber law, cyber forensics, system administrator, computer networking and allied fields as well students who has completed graduation or pursuing degrees such as BE/BTech/BCA/BSc/BCom/BA/ME/MTech/MCA/M.Sc/MCom/MA/LLB/LLM/CS/ICWA/CA/MBA/BBA/PGDCA/PGDBM.

### **Desirable**

**This course is meant for everyone who uses computers, mobiles and Internet. Prior knowledge of either law or technology is NOT mandatory.**

### **Benefits of completing this program**

Participants will get an edge over your peers for employment opportunity in...

➤ Software, IT, Security and Consulting Companies	➤ BPO Companies
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➤ LPO/KPO Companies	➤ Internet Service Providers
➤ Mobile Service Providers	➤ Corporate Business Houses
➤ Banks and Financial institutions	➤ Certifying Authorities for Digital Signature Certificates
➤ Data Centers	➤ Cyber Crime Cells
➤ Chartered Accountant Firms	➤ Law Firms
	➤ Colleges
➤ Bio-Tech Companies	➤ Pharmaceutical companies
➤ Clinical Research Organizations	➤ Life Science Companies and Hospitals

**Course Contents:**

**A. Cyber Crimes**

1. Data diddling	2. Data leakage
3. Eavesdropping	4. E-mail forgery
5. E-mail threats	6. Internet misinformation
7. Internet terrorism	8. Password cracking
9. Round downs	10. Salami Techniques
11. Scavenging/Corporate Espionage	12. Social Engineering
13. Software Piracy	14. Spamming
15. Super zapping	16. Piggybacking
17. Trap door	18. Trojan Horse
19. Virus	20. Worm
21. Impersonation	22. Time bomb
23. Logic bomb	24. Dos Attacks

**B. Ethical Hacking & Cyber Security**

1. Foundation lectures on challenges & threats of Cyber Security in Network,	2. System and Web
3. Email Hacking & its security	4. Social Media Hacking & its Security
5. Web Hacking & its Security	6. Mobile Hacking & its Security
7. Fake Calls, fake SMS & its Security	8. Wi-Fi Network Hacking & its Security
9. Windows Hacking & its Security	10. DDOS Attack & its Security
11. Software Hacking & Reverse Engineering	12. Cross site scripting & its Security
13. Basics of cryptography, Encryption & Decryption	14. Security breaches case studies
15. Categorization of Digital Security	16. Multimedia Security (Steganography)
17. Malware Concepts (Virus, Worms, Trojan etc.)	18. Firewall & IDS/IPS Concepts
19. Basics of Vulnerability Assessment &	20. Spying & Cyber Reccy



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Penetration Testing	
21. Email forgery and E-mail Tracing	

### C. Cyber Laws

1. Introduction to Information technology & Cyber Law	2. Basics of E-commerce and Computer Fraud Techniques
3. Cyber Security Fundamentals, Techniques and Core Principles	4. Cyber Space, Technology & Issues
5. Regulating Cyber Space: International	6. Regulating Cyber Space: National
7. Basics of ISO 27001& ISMS	8. E-contract & Electronic Data Interchange
9. E-signature and E-governance legality under I.T.Act, 2000	10. Cyber Contraventions, Compensation & Crimes under I.T.Act,2000
11. ISPs and Websites Legal Liability under I.T.Act, 2000	12. Corporate Legal Liability under I.T.Act, 2000
13. Adjudication Process For Recovery of Losses under I.T.Act, 2000	14. IPR violations on Internet
	15. Case Studies and Case Laws

### D. Cyber Forensics

1. Forensic Imaging & Storage Media Duplication (FTK Imager)	2. Windows Forensics Artifacts (Nirsoft/SysInternals)
3. Various Case Studies	4. Data Recovery (TestDisk/PhotoRec)
5. Forensic Investigation of Image (Autopsy)	6. Malware Analysis (Static/Dynamic)
7. DEFT OS	8. Social Media Forensics (FB/Twitter/LinkedIn etc.)
9. Multimedia Forensics (JPEGsnoop/ImageHeader Analysis)	10. File Header Analysis, Office Files Analysis (FOCA), File Signature
11. Smart Phone Forensics (AFLogical, ViaForensics, MobileEdit)	12. Timeline Analysis (Event Log Analysis)
13. Registry, NTUSER.DAT, USERCLASS.DAT Analysis (Regedit,FRAT, Scripts)	14. RAM Forensics (Concepts & Artifacts Analysis)

### Study Material

Specially compiled exclusive study materials will be provided along with links of open source tools.

### Duration of the program



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Weekend program (Saturday-Sunday) for Three Months. However, the timings of the course may vary because of the availability of the resources to which, the participant has to abide compulsorily.

### **Evaluation**

The candidates will be evaluated for maximum of 100 marks for which one MCQ (Multiple Choice Questions) Open Book Exam will be conducted on the last Sunday of program. The candidate needs to score at least 40% marks to complete the course and get the certificate.

### **Fees Structure**

- Tuition Fees: Rs. 10,000/-
- Application Charges: Rs. 150/

### **Contact Us**

**1. CLS:** Ms. C M Thakker (Cyber Law Advisor & Program Coordinator)  
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**2. Bhavan's Campus:** Honorary Director Dr. Paavan Pandit  
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