

A Five-Day Faculty Development Program
on
Cyber Security

25th - 29th Jan 2021

Call for Registration and Participation

Coordinators
Prof. A. Vadivel
Mr. Abhishek



Organized by the
Department of Computer Science & Engineering
IcfaiTech (Faculty of Science and Technology)
ICFAI Foundation for Higher Education (IFHE),
Hyderabad-501203

Overview:

Cyber-attacks such as hacking of business websites, computer systems, and cyber-physical systems are increasing exponentially. It affects the performance of the attacked systems and results in loss of fortune in business and undesirable access to confidential business and crucial personal data. Cyber-attacks and the resulting security breaches are part of a rapidly expanding international cyber threat that costs industries and individuals to lose valuable information resulting in damage to reputation. Cybersecurity deals with the state of protection against the illicit or unauthorized use of electronic data or the measures taken to achieve this. Effective cybersecurity reduces the risk of cyber-attacks and protects organizations and individuals from the unauthorized exploitation of systems, networks, and technologies.

Objectives:

This FDP will enlighten the practice of defending computers, servers, mobile devices, electronic systems, networks, programs, and data from digital attacks, damage, or unauthorized access. Cyberattacks aim to access, modify, or destroy sensitive information; recent attacks also led to users' money extortion by interrupting normal business processes. This FDP will help the teaching fraternity explore the specific security domains and empower them to meet the respective domains' challenges. Further, they will be able to disseminate the knowledge among budding researchers, engineers, and practitioners to benefit society.

Resource Persons:

Eminent personalities and experts from IITs, NITs, IIITs, and renowned Indian and foreign universities will be delivering the lectures. Also, faculty from the department of Computer Science and Engineering at IcfaiTech, Hyderabad will be the resource persons.

Course Content:

Digital citizenship, rights, and responsibilities
Cyber ethics and digital etiquette
Threats in the digital world
Overview to cybercrimes and online harassment
Cyber health and wellness
Introduction to cybersecurity
Challenges in building a secure cyber ecosystem
Cryptography and Crypto-analysis
Intrusion Detections and Prevention Techniques
Network Security Measures
Vulnerability Assessment and Penetration Testing
Cloud and IoT Security Engineering
Wireless Network Security
Software and Web Application Security
System security – OS security
Multi-server Authentication
Light weight cryptosystem
Design of secure protocol
Cyber physical system security

Registration is open to:

FDP is for Faculty Members and Research Scholars with basic knowledge in the core subjects.

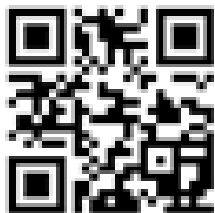
Registration:

Registration to the FDP program can be done by filling in the details using the link/Qrcode as appended below.

Link:

https://docs.google.com/forms/d/1R6xWYsgvmYj9IBvm1QF3_xpTPIw2NsWNuxdMIgGoh68/edit

QR code:



Note: Scanned copy of the Proof of remittance with transaction number of the requisite registration fee will be required for a successful registration.

The FDP program will be offered in an online mode and is limited to 100 participants. A digital participation certificate will be provided to the participants attending all the sessions. The link for attending the online sessions will be shared after completing the registration.

LAST DATE for registration: 24-01-2021

Registration Fee:

Category of participants		Fee details
Faculty Members	Others	₹ 1000
	ICFAI University	₹ 500
Research Scholars	Others	₹ 500
	ICFAI University	₹ 250
Alumni	ICFAI University	₹ 250

Registration fee need to be remitted through On-line / NEFT to the Bank account given below.

Account Name	
Account Number	
Bank	
Branch	
IFSC code	

About ICFAI University:

ICFAI was established in 1984 as a not-for-profit society whose broad objective is to empower citizens through world-class quality education. ICFAI has established 11 Universities across India. The ICFAI Universities are located at Hyderabad [The ICFAI Foundation for Higher Education (IFHE), which is a Deemed University], and Dehradun, Himachal Pradesh (Baddi), Jaipur, Jharkhand, Meghalaya, Mizoram, Nagaland, Raipur, Sikkim, and Tripura are state established private Universities.

About IFHE Hyderabad:

The ICFAI Foundation for Higher Education is a deemed University established under section 3 of the UGC Act, 1956. It has evolved a comprehensive student-centric learning approach consisting of several stages, designed to add significant values to the learner's understanding in an integrated manner, covering relevant knowledge, practical skills, and positive attitudes. The University is a member of the Association of Indian Universities (AIU) and Association of Commonwealth Universities (ACU). IFHE offers UG, PG, and Ph.D. programs in different wings Business (ICFAI Business School), Science and Technology (ICFAI Tech), Law (ICFAI Law School).

About ICFAI Tech:

IcfaiTech (Faculty of Science & Technology) is a constituent of The ICFAI Foundation for Higher Education (IFHE). IcfaiTech aims at nurturing graduates and researchers who are critical thinkers, creative, and have a holistic education experience. Students are given the flexibility to choose their academic courses from a wide range of electives offered to them at the first degree and higher degree levels. Innovative methods of teaching, cutting-edge curriculum, workshops, and internships further broaden our students' intellectual and global outlook.

About Department of CSE:

The Department of CSE came into existence in 2010. The department is part of IcfaiTech, IFHE. More than 80% of teaching fraternity have completed their Ph.D. from IIT, NIT, IIIT, and other renowned universities with research publications in high impact factor Science Citation Indexed journals. Ongoing research work deals with cybersecurity, blockchain, cryptography, cloud and IoT security.

For any queries please contact:

FDP Coordinators:

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