

Cybersecurity Overview

For Managers, Executives and Everyone



<https://academy.iZen.ai>
Email: info@iZen.ai

NASSCOM FutureSkills Platform Partner

 **futureSkills**
A NASSCOM initiative



Certificate Program



Learn from Dr. Fred Cohen, "Father of the Computer Virus"
who devised defenses used in 80% of computers worldwide

Cybersecurity Landscape

The world is undergoing significant digital-transformations, drastically changing the way we conduct business and carry out daily transactions. Cybersecurity assures the proper operation of everything from financial transactions to power generation, affects every size and scale of business, government, and more. Cybersecurity has become increasingly critical in the cyber-age.

Cyber-attacks can be extremely expensive, and cost lives, fortunes, and the future of nations. Attacks are getting more sophisticated, more frequent, and reaching more people around the world. That makes it important for you to become aware of the effects of cybersecurity issues.



HIGH DEMAND

Organizations are losing millions of dollars to network attacks. They are fighting back by hiring Cybersecurity experts.



HUGE SUPPLY GAP

Demand for Cybersecurity experts far exceeds supply. That means less competition and more salary for experts.



BRIGHT FUTURE

3.5 million unfilled Cybersecurity jobs projected by 2022 and Cybersecurity jobs are not going away anytime soon.

BENEFITS OF THIS PROGRAM

- Learn end-to-end perspectives to play your cybersecurity role:
From Board of directors/top-executives to Chief Information Security Officer, to Managers, Engineers, and admins
- Learn from the best in the world expert instructor, who earned the title "Father of the Computer Virus" and devised defenses used in more than 80% of computers worldwide
- Get practical insights from an (ISC)² Fellow, with over 40 years of experience in the cybersecurity industry and academia, who has been helping top executives struggling with cybersecurity issues
- Guest lectures from several world-class experts, to give you global perspectives
- Real-life use-cases and case studies to give you practical insights
- Receive a Certificate of completion in "Cyber Security Overview"

WHO IS THIS PROGRAM FOR?



- ✓ If you are an executive, decision-maker, or a manager, this is for you
- ✓ If you are a student, teacher, or an employee seeking to get a broad overview of the cybersecurity landscape, this program is perfect for you
- ✓ Prerequisites: Basic knowledge of computers

WHAT WILL YOU LEARN?

MODULE 1 Basics of Cybersecurity

1. Basic issues & implications, what to do about them?
2. How the business works, Duty to protect
3. Risk-management, Security-management
4. Control-architecture, and Technical security-architecture
5. Decision-Process
6. Cyber-Lab Sample

MODULE 2 Dimensions of Cybersecurity

1. Critical Infrastructure
2. IT Vs. OT
3. Management Vs. Technology

MODULE 3 Vertical drill-downs and case-studies

1. Medical-Healthcare Case Study
2. Water Case Study
3. City-power and Tribal-investments case-study
4. City Government Case Study
5. Banking & Financial Services
6. Cyber Board Game Startup Case Study

MODULE 4 Global Perspectives from world-class experts

1. Chris Blask: Organizing-Cybersecurity
2. Dr. Jennifer Bayuk: Risk-Analysis
3. Prof. Lucina Duranti: Records Management
4. Dr. Alana Maurushat: Ethical Hacking



WHO WILL YOU LEARN FROM?

PROGRAM FACULTY



Dr. Fred Cohen has over 40 years of experience building companies and supporting risk management and strategic decision making for enterprises of all sizes. He is globally recognized as an innovative expert in information protection and cybersecurity. He is one of the only 20 Cybersecurity experts in the world, recognized as a fellow of (ISC)² at "Cybersecurity and IT Security Certifications and Training". Dr. Cohen works closely with global experts to help bring knowledge of all things Cyber to program attendees from around the world.

LinkedIn profile: <https://www.linkedin.com/in/dr-fred-cohen/>

The more detailed profile can be found at <http://fc0.co/>

Dr. Cohen has a long history of being ahead of the curve:

- Won several international awards for his work in Cybersecurity
- Led the team that defined the information assurance problem as it relates to critical infrastructure protection
- Did seminal research in the use of deception for information protection
- His "Deception for Protection" series of papers is widely cited, and the techniques he pioneered are now in global use
- A leader in advancing the science of digital forensic evidence examination
- Top-flight information protection consultant and industry analyst for many years
- Authored more than 200 invited, refereed, and other scientific and management research articles
- Wrote monthly articles on cyber since 1995 and wrote several books on information protection
- His "Enterprise Information Protection Architecture", "Challenges to Digital Forensic Evidence", and "Digital Forensic Evidence Examination" are used in graduate classes and other venues worldwide
- Leading security practitioners around the globe have used his "Chief Information Security Officers ToolKit" series of books and booklets
- His "Frauds Spies and Lies and How to Defeat Them" book has been the subject of radio talk shows
- The research community has widely used his series of "Infosec Baseline" studies as stepping off points for further research
- His "50 Ways" series is very popular among practitioners looking for issues to be addressed
- His "World War 3 .Information Warfare Basics" is highly regarded among the thinkers in this arena
- Founded the College Cyber Defenders program at Sandia National Laboratories that ultimately led to the formation of the CyberCorps program
- Taught and testified on issues of digital forensics as an admitted expert in local, State, Federal, and other courts in criminal and civil matters
- Was named the "most famous hacker" of all time by ABC News in 2009

HOW WILL YOU LEARN?

- ✓ Online using desktop, laptop or mobile devices
- ✓ Learn at your own convenient time, and pace
- ✓ Video lectures delivered from a cloud LMS platform
- ✓ Quizzes are given remotely
- ✓ Industry case studies for the reinforcement of the learning



WHAT IS THE DURATION OF THE PROGRAM?

- ✓ A total of around 45-60 hours depending on your background/experience
- ✓ The course can be completed in 8-weeks to 12-weeks depending on how much time you can dedicate per week for this course

ABOUT iZen



iZen is a Talent Empowerment company, offering end-to-end solutions for skill development and employability, leveraging the power of AI and other digital technologies. The company was founded in Silicon Valley, California with a global vision to incubate innovation and to provide a platform that gives access to knowledge, skills, and advisory to empower the next generation workforce and students. iZen brings you internationally recognized standard programs, to set you apart and to future-proof your career.



HOW DO I ENROLL IN THE COURSE?

<https://academy.iZen.ai>
Email: info@iZen.ai

