PIQC

FOUR MONTHS
PROFESSIONAL DIPLOMA/CERTIFICATION PROGRAM

CYBER SECURITY

ONLINE / VIRTUAL INSTRUCTOR LED LIVE CLASSES

Become Cybersecurity Professional in 4 months.
This is a post graduate level training program offering a multidisciplinary approach to attaining proficiency in developing and managing Cyber Security Systems in organizations with hands on practical training. It is valuable for both from IT and non-IT backgrounds professionals.

Professional Engineering Body
of Pakistan Engineering Council

PIQC INSTITUTE OF QUALITY

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CYBER CRIMES ARE ON THE RISE, AND YOU CAN'T AFFORD TO IGNORE THEM

- Globally, the number of cyber attacks are increasing rapidly, with a 600% increase in attacks reported in 2020.
- According to PTA, cybercrime is on the rise, with 96% increase in reported cases in 2020.
- Cyber attacks are becoming more sophisticated, with ransomware attacks being particularly prevalent.
- Phishing attacks increased by 15% in 2020 Pakistan (PTA).
- To combat the increasing threat of cyber attacks, governments and organizations around the world are increasing their investment in cyber security measures, including hiring cybersecurity professionals and implementing stronger security protocols (Source: Forbes).

INTRODUCTION

PIQC's Professional Diploma in Cyber Security is a comprehensive program designed to equip individuals and organizations with the necessary knowledge and skills to effectively prevent, detect, and respond to cyber attacks. With the proliferation of digital technologies, cyber threats are on the rise and pose a significant risk to businesses and individuals alike. This program is designed to address the pressing need for cyber security professionals who can protect sensitive data and prevent cyber attacks.

The program covers a broad range of topics including cyber security fundamentals, ethical hacking, threat intelligence, network security, cryptography, and incident response. Participants will learn about the latest cyber security trends and technologies, as well as the methodologies and tools used by cyber criminals. The course includes practical drills and exercises that allow participants to apply their knowledge and skills in real-world scenarios. Participants will also use software commonly used in cyber security management and implement counter-measures.

The program is delivered by experienced instructors who have a deep understanding of the cyber security landscape and possess real-world experience in dealing with cyber threats. The curriculum is designed to meet the needs of both beginners and experienced professionals who are looking to enhance their skills in the field of cyber security. Upon completion of the program, participants will be equipped with the skills and knowledge necessary to take on key cyber security roles and responsibilities within their organizations.

AUGMENT YOUR CAREER WITH CYBER SECURITY SPECIALITY

- Cybercrime is projected to cost $10.5 trillion annually by 2025, a significant increase from the $3 trillion reported in 2015.

- In a survey conducted by PwC, 50% of companies worldwide reported experiencing at least one cyber attack in the past year. This number has increased from 39% in the previous year's survey

- Pakistan ranked 79th out of 194 countries in the 2020 Global Cyber Security Index, indicating room for improvement.

- The State Bank of Pakistan introduced a comprehensive cyber Security framework for the banking sector in 2020.

- In recent years, Pakistan has been the target of several high-profile cyber attacks. In 2018, the personal data of over 19,000 individuals was leaked in a data breach of the National Database and Registration Authority (NADRA). In 2020, the personal data of over 115 million Pakistani mobile phone users was leaked in a data breach of the Pakistan Telecommunication Authority (PTA).

- Cyber attacks in Pakistan increased by 400% during the pandemic, targeting individuals and organizations with phishing emails, malware, and ransomware.

BODY OF KNOWLEDGE

Module 1: Introduction to Cyber Security
Module 2: Network Security
Module 3: Cryptography
Module 4: Web Application Security
Module 5: Operating System Security
Module 6: Malware and Threat Detection
Module 7: Incident Response & Digital Forensics
Module 8: Cloud Security
Module 9: Cyber Security Management

USEFUL FOR

- IT professionals who want to enhance their cyber security skills and knowledge.
- Business executives who need to understand and manage cyber security risks.
- Banking, Insurance and Financial sectors engaged in Online/Cloud operations
- Students who want to pursue a career in cyber security.
- Government employees who need to protect sensitive data and critical infra-structure.

ONLINE / VIRTUAL COURSE

PIQC's Professional Diploma in Cyber Security is designed to provide a high-quality and easy-to-attend online course for busy professionals looking to enhance their knowledge and skills in the field of cyber security. The program is delivered online through a combination of live lectures and interactive sessions on Microsoft TEAMS. This platform provides a convenient and flexible learning experience, enabling participants to access the course from anywhere, at any time, and on any device.

QUALIFYING EXAM

To assess the participants' understanding of the course material, a comprehensive final exam will be conducted at the end of the program. The exam will be two hours in duration and will test the participants' knowledge and skills across all the course topics. To qualify for the Diploma, participants will need to achieve a passing grade in the final exam. The exam will be designed to assess the participants' ability to apply their knowledge and skills to real-world scenarios, ensuring that they are equipped to handle the challenges of the cyber security industry.

INSTRUCTIONAL LANGUAGE

English

COURSE INSTRUCTORS & GUEST SPEAKERS

The course is taught by top-class specialists and practitioners with extensive experience in cyber security, and they bring their practical insights and best practices to the course.

PRACTICAL APPROACH

PIQC's Professional Diploma in Cyber Security is a comprehensive program that goes beyond theoretical knowledge and provides participants with practical experience in dealing with cyber threats. Through a range of practical drills and exercises, participants will have the opportunity to apply their knowledge and skills in real-world scenarios. Our instructors use real-world case studies to help participants understand the practical implications of cyber security threats and the impact they can have on organizations.

APPLY NOW

Join our comprehensive online course on Cyber Security and gain in-depth knowledge on the latest tools, techniques, and strategies used to protect your business from cyber threats. Participants from other countries are also welcomed.

For further inquiry, fee, schedule and/or other details, contact:

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