



CYBRON INFRASTRUCTURE SECURITY PRACTITIONER

**DEVELOP YOUR CAREER IN CYBER
SECURITY**

GRADE 10TH PASSED CANDIDATE ARE ELIGIBLE FOR THIS COURSE

**CYBER SECURITY RAPID
OFFENSIVE NATIVE
FORUM**



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INTRODUCTION

We help you to establish your career in Cyber Security

Many students aspire to build their careers in the field of cybersecurity, but due to the lack of proper guidance and structured pathways, they often struggle to progress in line with market demands. Research shows that while some schools have introduced cybersecurity-related content, the curriculum is limited, outdated, and insufficient to meet the evolving needs of both students and society.

However, emerging technologies are reshaping the landscape, and new methodologies and systems associated with Industry 4.0 and 5.0 play a vital role in building Society 5.0. To remain competitive in both local and international markets, students and professionals must develop a deep understanding of these latest technologies and acquire the skills to work effectively with them.

With reference to the above discussion, a significant gap between industry and academia has been identified. This gap continues to widen daily as technology evolves rapidly, while academic institutions often struggle to update and deliver the latest knowledge in a timely manner.

In this context, it is evident that our daily lives, whether at home, in the office, or in business are increasingly connected using digital technologies and the Internet and most of the services and products are delivered via Information Technology, bringing immense convenience and efficiency. However, alongside these advantages comes the growing challenge of cybersecurity. To address this, we have developed a new framework that introduces cybersecurity education from the secondary school level and progressively advances to the professional level.

The Cybron Diploma Associate program is for Grade 10 Passed or above students and has been designed after detailed research to identify the essential concepts students should learn at this stage. It introduces them to the basics of cybersecurity, common threats, and practical ways to protect themselves in the digital world. At the same time, the program focuses on shaping their mindsets positively toward the responsible use of digital technologies and their benefits. Through structured lectures and counseling sessions, we aim to influence both individual and societal attitudes, thereby reducing cyberattacks and crimes while creating a lasting positive impact on society.

CYBRON FRAMEWORK

One of the Leading Learning Framework of Cyber Security





CYBRON FRAMEWORK DESCRIPTION

The CYBRON framework, influenced by the international standard NIST (USA) and further expanded through research, addresses critical gaps in cybersecurity practices. While organizations and industries invest heavily in advanced security tools and monitoring systems to safeguard their data, processes, and technologies from unauthorized access, absolute security remains uncertain. Despite substantial investment, no organization can confidently claim complete protection against internal or external threats, attacks, or risks.

In this context, Dr. Muhammad Shaheer Waqar has introduced a new dimension in cybersecurity through the development of CYBRON - the Cyber Security Rapid Offensive Native Forum. According to his research, cybersecurity is not solely about tools and systems but fundamentally a matter of mindset. As children grow and learn about the world, they must also understand technology, its benefits, and its role in making life easier and more efficient. At the same time, they should recognize the importance of using these technologies responsibly rather than misusing them to harm others.

The first pillar of the CYBRON framework focuses on cultivating a positive mindset from an early age. Students are guided to view digital technologies as valuable, beneficial, and supportive tools in their daily routines. They are encouraged to use technology constructively and avoid negative or harmful practices.

Another key aspect of the framework is awareness of threats. Children and young learners are taught that malicious actors exist in the digital environment and may attempt to sabotage, harm, or disrupt their lives. Therefore, the "good users" must be equipped with knowledge of cybersecurity threats, risks, and challenges - both current and emerging, so they can protect themselves and, ultimately, contribute to safeguarding society and humanity at large.

Through this mindset-driven approach, the CYBRON Framework seeks to create a generation of responsible digital citizens who are both aware of cybersecurity dangers and empowered to defend themselves and others in the digital age.



PROGRAM BENEFITS TO & PRE-REQUISITE

REQUIRED QUALIFICATIONS

- 10th grade passed or Equivalent Qualifications
- Basic Knowledge of Computers

CREDENTIALS

- Get the appropriate Cybron Diploma Associate from Cybron International - UK
- International Recognized Diploma from Cybron UK

BENEFITS

- New comers can opt this cybron Infrastructure Security Practitioner
- The course is developed to establish the core skills of the candidates with practical approaches
- After each semester you are equipped to get better job proposition in the professional market
- Become a Cyber Security top-notch skilled candidate in the market
- Propel your career in the circle of cyber security
- Pathway and leads to cybron diploma associate



FURTHER BENEFITS OF THE PROGRAM

- The program equips management and staff at all levels with strategic IT and cybersecurity skills, strengthening the organization's overall security posture.
- Students gain hands-on experience through practical labs in each course, preparing them for successful careers in cybersecurity.
- It provides learners with clear guidance and pathways to build their careers step by step in the cybersecurity domain.
- The program enhances employees' skills, thereby increasing organizational productivity through effective training and development methodologies.
- It helps to motivate teams and build their capabilities in line with organizational and industry requirements.
- By promoting knowledge-sharing, the program fosters a cyber-aware culture in society, ensuring skills are transferred from person to person.
- Students develop greater efficiency through modern technology tools and methodologies, enabling them to perform at higher standards.
- The program contributes to making organizations safer and more secure in the face of evolving cyber threats.

PROGRAM STRUCTURE



| | |
|--|-------------------|
| Total Courses | 4 |
| One Credit Hour | 10 Learning Hours |
| Total Credits Hours Required | 9.6 Credit Hours |
| Per Course Certification | Possible |
| Total Hours | 96 Hours |
| Total Duration | Six Months |
| Required Courses to Get this Certification | 4 |
| Consider for Cybron Diploma | Semester one |
| Semester or Course Duration | 6 Months |



OTHER LEARNING ACTIVITIES

| | |
|--|---|
| Practical Assignments of each Course | 1 |
| Learning Activities in each course | 1 |
| For Applying Certification Final Presentations Shall be given by each Trainee of at Least One hour | 1 |
| For Applying CYBRON CERTIFICATION Question Answer Session of one hour arrange by Cybron | 1 |
| One Final Project must be Submitted Hard and soft Form (Two Copies) | 1 |



PROGRESSION OF THE PROGRAM

| | | |
|-------------------------|---|--|
| Total Credentials | = | 9.6 Credit Hours |
| One Credit Hours | = | 10 Learning hours |
| Completion of 4 Courses | = | Cybron Infrastructure Security Practitioner |
| Final Assessment | | The criteria is to develop the provided assignments on the basis of courses. |

Awarding of Cybron Certification

Once the participants shall complete 4 Courses / 9.6 Credits-hours marks certificate, then S/he will be able to apply to receive the CYBRON INFRASTRUCTURE SECURITY PRACTITIONER from CYBRON INTERNATIONAL - UK



DOMAINS AND TASKS

In this document you will find an updated structure for the CYBRON CERTIFICATION Examination Content Outline. We have devised and simplifying the format so that the CYBRON CERTIFICATION is easier to understand and interpret.

The domain and task are well defined on the following pages:

Domain: Defined as the high-level knowledge area that is essential to the practice of Cyber Security.

Tasks: The underlying responsibilities of the cyber security team member within each domain area.

Each CYBRON CERTIFICATION Course examination will include all tasks for each domain, and CYBRON will adhere to the percentage of coverage at the domain level as outlined in the further pages.

KNOWLEDGE AREAS

Domain 1: Fundamentals of IT, Networking, System Administration with Cyber Security Measures

| | |
|--------|--|
| Task 1 | <p>Demonstration the fundamental of information Technology</p> <p>Get the knowledge of fundamentals of Computer Systems</p> <p>Understanding of Computer Hardware and its component</p> <p>Understanding of computer software, generation and SDLC</p> <p>Understanding of common threats on computer operating system</p> <p>Security Measures and best practices of usage of internet and surfing</p> <p>Understanding of Data Protection and Privacy Matters</p> <p>Knowledge about the emerging technologies and threats</p> |
| Task 2 | <p>Understanding of Computer network & its related equipment and usage</p> <p>How the computer networks are working</p> <p>Understanding of IP Address classical and CIDR Scheming</p> <p>Differentiate between IPv4 and IPv6</p> <p>Understanding of Routing, Mapping, Natting and Super netting</p> <p>Understanding of Protocols and its usage</p> <p>Configuration of Protocols</p> <p>Understanding of Packets and its tracing</p> |

| | |
|--------|---|
| Task 3 | <p>Practical Understanding of System Administration & System Level Security by using any operating system with concerned families</p> <p>Understanding of Serves and its usage with configuration of RAID Controller, BIOS, Operating System and its installation</p> <p>Understating of Network Operating System and its threading techniques</p> <p>Understanding of Active Directory with its installation of configuration</p> <p>Understanding of file servers with its installation and configuration</p> <p>Understanding of DNS, DHCP, and Remote Services</p> <p>Understanding of Web Server with its installation and configuration</p> |
| Task 4 | <p>Understanding of Network Administration & its related Cyber Security issues and challenges</p> <p>Understanding & configuration of IP Address classical and CIDR Scheming</p> <p>Differentiate between IPv4 and IPv6</p> <p>Understanding & configuration of Routing, mapping, Natting and Super netting</p> <p>Understanding & configuration of Protocols and its usage</p> <p>Understanding & configuration of other Protocols</p> <p>Understanding & configuration of Packets and its tracing</p> |
| Task 5 | <p>Understanding of IT Infrastructure</p> <p>Understanding of Date Centre development and its standards</p> <p>Understanding the power management system of Data Centre standards</p> <p>Understanding of Environmental Control system of Data Centre</p> <p>Monitoring and Maintenance of Data Centre and its related item</p> <p>Health and Safety Measures requires in the data centre</p> |



ASSESSMENT OF PROGRAM (ONLINE/PHYSICAL)

- The paper will be an open book and students can give the answers according to scenarios
- The paper will be online including practical and theory.
- The weightage of examination will be 70% practical, and 30% theoretical.
- Practical assessment will be taken in labs assess by internal examiners, where theory paper will be taken through online or paper based (if online facility not available)
- Those candidate who cannot be able to give the online test and they do not have a facility, Therefore, their papers will be taken a paper based examination. Otherwise, center must have the facility to provide online test mechanism to students and facilitate for the final assessment.
- Assessment will be done according to domain and tasks defined above through our online methodology

EVALUATION AND GRADING

- The performance of students is evaluated through continuous observation of a student's performance in the class participation, submission of assignments, quizzes and exercises.
- The student will be examined through exams conducted by CYBRON INTERNATIONAL. Total marks for passing the CERTIFICATION/DIPLOMA will be 70 out of a total of 100.



REGISTRATION AND PAYMENT

CYBRON COURSE ELIGIBILITY REQUIREMENTS

To be eligible for the Cybron Infrastructure Security Practitioner, you need a Secondary School Certificate/grade 10th global equivalent Certificate from anywhere in the world

| Educational Background | Cybron Diploma |
|---|--|
| Secondary School Certificate, or grade 10 th global equivalent Certificate | Must be earned from our any partner institute about 8 Credit hours |

REGISTRATION PROCESS

Registration can be done through our registered partners or if you do not any registered partners at your vicinity then you can directly approach to Cybron International UK office through email registrations@cybroninternational.com for admission and registration.

PROGRAM BIFURCATION

The program is divided into 3 semester where each semester contains different courses and you have to complete in 18 months from any our partner/trainer/ institute in all over the world. The description and division of the program and courses are given in below pages.

COURSE BIFURCATION

| Subject SEMESTER – I Duration 6 Months | Total Teaching Hours | Theory Hours | Practical Hours | Grade A+, A, B, C, D, E |
|--|----------------------------|-----------------|-----------------|------------------------------------|
| Cybron - Introduction to Computer Fundamentals | 16 Hours | 12 Hours | 04Hours | Assessment Based on Performance |
| Cybron - Introduction to Computer Networks | 16 Hours | 12 Hours | 04 Hours | Assessment Based on Performance |
| Cybron – Infrastructure System Administration & Security | 32 Hours | 08 Hours | 24 Hours | Assessment Based on Performance |
| Cybron – Network Administration & Security | 32 Hours | 08 Hours | 24 Hours | Assessment Based on Performance |
| | 96 Hours | 40 Hours | 56 Hours | |



CYBRON COURSE EXAMINATION
FEE STRUCTURE FOR MEMBERS

| S. No | Description | Fees |
|-------|-----------------------|---------------------------|
| 1 | Membership Fee / Year | 36 British Sterling Pound |
| 2 | Examination Fee | 75 British Sterling Pound |



CYBRON EXAMINATION SYSTEM

Partner Institute Internal Examination System

- The concerned partner will take examinations and submit to the Cybron International Examination Department

Cybron UK Online Exam System

Cybron UK will provide access to all partners to schedule the exams of the particular courses of individual candidates. So according to the availability, the partner institutes will schedule the exam of individual candidates' subject or course/certification.



CONTINUING EDUCATIONAL REQUIREMENTS (CER) PROGRAM

CER - Continuing Educational Requirements Program is important and supports the ongoing educational and professional development of any candidate. Therefore, Cybron International insists on keep learning according to current market requirements. You have to prepare to meet the demands of the market each today due to the most complex and competitive environment of businesses, you have to develop yourself.

The main purpose of CER is:

- Continuously develop yourself and enhance your learning capability
- Keep yourself updated about the latest trends in technologies and vulnerabilities
- We encourage and recognize individualized learning opportunities
- 40 hours of learning CER is mandatory to make your diploma/certification active
- Submit your annual membership fee £10 every for certification/diploma
- Global Recognition to sustain the valuable certification / diploma of Cybron International (CI)

Note: If you any issue to submit your CER and its, so you may contact to our local partner, who help you in this regard. Further, if you have any issue, then you can directly email us examinations@cybroninternational.com



CONTACT DETAILS

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