



# **CYBRON SCOUT**

---

**START AND DEVELOP YOUR CAREER  
FROM HERE IN CYBER SECURITY**

---

## **10th GRADE STANDARD**

**GRADE 10th CLASS STANDARD ARE ELIGIBLE FOR THIS COURSE**

---

**CYBER SECURITY RAPID  
OFFENSIVE NATIVE  
FORUM**



**Published by:**

Cyber Security Rapid Offensive Native Forum

Cybron

404 Old Bedford Road, Luton, England LU2 10BP SIC codes – 62012 United Kingdom

contactus@cybroninternational.com

(+44) 1010103 5301310

All rights reserved. "cybron", the cybron logo, "CYBRON", the Cybron Scout, Cybron Scout logo, "CYBRON-FRAMEWORK", "Cybron", "and the Cybron International are registered marks of Cybron, Inc.  
The Cybron is a trademark of the Cybron, Inc.



## Contents

INTRODUCTION .....	2
CYBRON FRAMEWORK .....	2
CYBRON FRAMEWORK DESCRIPTION.....	2
PROGRAM BENEFITS TO & PRE-REQUISITE.....	2
FURTHER BENEFITS OF THE PROGRAM .....	2
PROGRAM STRUCTURE .....	2
OTHER LEARNING ACTIVITIES OF THE PROGRAM.....	2
PROGRESSION OF THE PROGRAM .....	2
Awarding of Cybron Scout Certification.....	2
DOMAINS AND TASKS .....	2
KNOWLEDGE AREAS.....	2
ASSESSMENT OF PROGRAM (ONLINE/PHYSICAL) .....	2
CYBRON SCOUT REGISTRATION AND PAYMENT.....	2
<b>CYBRON SCOUT ELIGIBILITY REQUIREMENTS</b> .....	2
<b>REGISTRATION PROCESS</b> .....	2
<b>PROGRAM BIFURCATION</b> .....	2
CYBRON SCOUT FEE STRUCTURE .....	2
CYBRON SCOUT EXAMINATION SYSTEM .....	2
Partner Institute Internal Examination System .....	2
Cybron UK Online Exam System.....	2
CONTINUING EDUCATIONAL REQUIREMENTS (CER) PROGRAM.....	2
CONTACT DETAILS.....	2



## 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 Research shows that while some schools have introduced cybersecurity-related content, the curriculum is limited, outdated, and insufficient to meet the evolving needs of both students and society.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 through digital technologies and the Internet. Today, most 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, I have developed a new framework that introduces cybersecurity education from the secondary school level and progressively advances to the professional level.

The Cybron Scout program for Grade 10 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 developed through research, is built on the philosophy that although organizations and industries invest heavily in security tools and monitoring systems to protect their data, systems, and technologies from unauthorized access, absolute security can never be guaranteed. Despite significant investments, no one can claim with certainty that they are fully safe from threats, attacks, or risks.

Our research team, under the supervision of Dr. M. Shaheer Waqar, has discovered that cybersecurity is largely a matter of mindset. If people understand how technologies contribute positively to their lives, they are less likely to misuse or sabotage them. However, negative mindsets those unwilling to contribute positively to society will always remain a challenge.

In light of this, the CYBRON framework has been designed to build knowledge and awareness from the Grade 10 level onward, providing students with age-appropriate information about cybersecurity. As students gradually learn about the benefits and risks of cybersecurity, along with the latest technologies and their impacts, they develop a positive attitude and a sense of responsibility. Such awareness ensures that they are less likely to engage in harmful activities.

By using this training methodology, we believe that CYBRON can transform mindsets, strengthen digital responsibility, and enhance the security of our societies, industries, and nations.



## PROGRAM BENEFITS TO & PRE-REQUISITE

### REQUIRED QUALIFICATIONS

- 10th grade and Equivalent Qualifications
- Basic Knowledge of Computers

### CREDENTIALS

- Get the appropriate Cybron Scout Certification from Cybron - UK
- International Recognized Cybron Scout Certificate

### BENEFITS

- School candidate from class 10th grade can opt this certification
- The content of the program will develop the skillset of candidate during their studies
- This program equip with latest scams and threats regarding cybercrimes
- Global recognized Cybron Scout 10th Grade Certification in One year which take you on next level



## FURTHER BENEFITS OF THE PROGRAM

- The program equip the candidates from grass root level
- The candidate will learn the basics of IT and its related security of data and information
- The candidate will learn cyber security basics and how its impacting in our lives
- The candidate will learn about digital age and its benefits
- The candidate will learn transformation of signal into data and data into signals
- The candidate will learn IT Infrastructure
- The candidate will learn the internal components of computer and its working
- The candidate will learn the digital machines working and its handshaking process with other devices technically and its internal security level
- The candidate will learn networks, and its accessories & its security
- The candidate will learn the numbers system and its importance
- The candidate will learn the applied mathematics and its application in the cyber security
- The candidate will learn the importance of data and its safety
- The candidate will learn the introduction to computer programming
- The candidate will learn the basics of python
- The candidate will learn the basic tools of cyber security and its command

## PROGRAM STRUCTURE



Total Lectures	10
Online Lectures	Available on LMS
Accredited Trainers	Can Deliver the lectures
Each Lecture Duration	2 hours
Required Lectures to Complete to class 10th Standard	10
One Credit Hour	10 Learning Hours
Total Credits Required	2 Credit Hours
Total Time to complete to class 10th Standard	One Year
Assessment	Online / Paper based
Passing Criteria	70 percent



## OTHER LEARNING ACTIVITIES OF THE PROGRAM

Practical Assignments of each Lecture	1
Learning Activities in each Lecture	1
Presentation Recorded 15 Minutes Presentations shall be submitted By Trainee	
CYBRON SCOUT CERTIFICATION Question Answer Session one hour arrange by Cybron	1



## PROGRESSION OF THE PROGRAM

Total Credentials	=	2 Credit Hours
One Credit Hours	=	10 Learning hours
Completion of 10 Courses	=	Cybron Scout for Class 10th Standard
Final Assessment	=	Online or physical assessment can be taken

## Awarding of Cybron Scout Certification

Once the candidate has completed the lectures and given the all internal examination, then school or individual can directly apply to Cybron UK for assessment.



## DOMAINS AND TASKS

In this document you will find an updated structure for the CYBRON SCOUT Class 10th Standard Examination Content. Based on Experience Consultants and stakeholders, we have devised and simplifying the format so that the CYBRON SCOUT 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 SCOUT Course examination will include all tasks for a domain, and CYBRON SCOUT will adhere to the percentage of coverage at the domain level as outlined in the further pages.



## KNOWLEDGE AREAS

Domain 1: Cyber Security Standards and Frameworks	
Task 1	<p>Cyber Security Definitions</p> <p>What is standard</p> <p>What is Framework</p> <p>NIST Framework</p> <p>Cybron Framework</p> <p>Principle of NIST</p> <p>Zero trust system</p> <p>Other frameworks of information security</p>
Task 2	<p>What is information security and its major domains</p> <p>What is the major difference between information and cyber security</p> <p>Controls and its types</p> <p>Roles in Cyber Security</p> <p>Cyber Security domains</p>

Domain 2 Malware and Other Attacks, Cyber Security Governance	
Task 1	<p>What is cyber attack?</p> <p>How cyber attack performed?</p> <p>Types of cyber attacks</p> <p>Common attacks</p> <p>Malware and other attacks</p>
Task 2	<p>Management Structure of Organization organization and its systems</p> <p>Organizational Security</p> <p>How information flow in the organizations ?</p> <p>How to protect the data and information according to the department?</p> <p>Segregation of Data and maintaining its sensitivity</p> <p>Separation of duties and double check system</p> <p>Develop the organizational chart and define the governance level</p> <p>Overview of Cyber Security Governance</p>



Domain 3: NIST and Security Principles	
Task 1	Security Concept with Practical Examples Security Controls Basic Principles of Standards Security Frameworks and its importance 33 Principles of NIST
Task 2	Security Kernel Security Models Concept of Open and closed Systems Cryptography Kirchhoff's Principle Link Encryption Method Method of Transposition What is meaning of Work Function in Cyber Security Symmetric and Asymmetric Cryptography DES, TRIPPLE DES and AES Security Algorithms

## Domain 4: System and its Integrity with Networks

Task 1	<p>Binary, Decimal and Hexa-Decimal Number and System</p> <p>How computer understand the numbers, words and sentences</p> <p>What is network</p> <p>IP Addressing</p> <p>IPV4</p> <p>IPV6</p> <p>Classical and Modern IP Schemes</p> <p>Concepts of Server and Workstations</p> <p>LAN, WAN, CAN, MAN</p> <p>Workgroup and DMZs</p>
Task 2	<p>What is Protocols in networking</p> <p>Purpose of Protocols in Networking</p> <p>OSI Model</p> <p>TCP / IP Protocol and its working</p> <p>Using of Protocols in networks</p> <p>Proprietary Protocols</p>
Task 3	<p>Cyber Security Teams</p> <p>Blue Teams</p> <p>Red Teams</p> <p>Purple Teams</p> <p>Ethical Hacking</p> <p>Offensive Hacking</p> <p>Security Operation Centre (SOC)</p> <p>Security Information and Event Management (SIEM) Systems</p> <p>IPS/IDS Systems</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.



## CYBRON SCOUT REGISTRATION AND PAYMENT

### CYBRON SCOUT ELIGIBILITY REQUIREMENTS

To be eligible for the Cybron Scout at any level, there is no as such requirements. If you are in secondary school then are eligible for this course or credentials

Educational Background	Grade 10 <sup>h</sup> Grade or equivalent
No Educational Background Required	Must be earned from our any partner institute/trainers or our LMS about 2 Credit hours

### REGISTRATION PROCESS

Registration can be done through our registered partners or if you do not any registered partners at our vicinity then you can directly approach to Cybron International UK office through email [admissions@cybroninternational.com](mailto:admissions@cybroninternational.com) for admission and registration.

### PROGRAM BIFURCATION

The program is bifurcated into 12 months where each month, you have to complete and submit the assignments in time to your concern school or any accredited trainer/partner/or our LMS (Learning Management System).



## CYBRON SCOUT FEE STRUCTURE

S. No	Description	Fees
1	Program Fee (One Year Subscription)	80 British Sterling Pound For Members
2.	Program Fee (One Year Subscription)	180 British Sterling Pound For Non-Members



## CYBRON SCOUT EXAMINATION SYSTEM

### Partner Institute Internal Examination System

- The concerned partner / institute / trainer or Cybron examination will take the online examinations and if the concerned partners/students would not have the facility to give the online examinations then it physical examination can be taken on request and partner will submit to the Cybron International Examination Department through email at [examinations@cybroninternational.com](mailto:examinations@cybroninternational.com)

### Cybron UK Online Exam System

Cybron International UK will provide access to all partners/trainers to schedule the exams of any course of any registered individual candidate. According to the availability of schedule, the partner institutes can schedule the exam of any individual 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 keeping up with its current market requirements. You have to prepare to meet the demands of the market today due to the most complex and competitive environment of businesses.

The main purpose of CER is:

- Continuously develop yourself and enhance your learning capability
- Keep yourself updated according to the latest trends in technologies and their vulnerabilities
- We encourage and recognize individualized learning opportunities
- 10 hours of learning CER is mandatory to make your cybron scout certification active
- Global Recognition to sustain the valuable cybron scout certification of Cybron International (CI)
- 10 British Sterling Pound Fee is to sustain your membership each year.



## CONTACT DETAILS

[CONTACTUS@CYBRONINTERNATIONAL.COM](mailto:CONTACTUS@CYBRONINTERNATIONAL.COM)

ADDRESS 404 Old Bedford Road, Luton, England LU2 7BP SIC codes – 62012 United Kingdom

TELEPHONE [\(+44\) 7783 530138](tel:+447783530138)

Web <https://www.cybroninternational.com>

EMAIL [info@cybroninternational.com](mailto:info@cybroninternational.com)

### **SOCIAL MEDIA ACCOUNT**

Facebook <https://www.facebook.com/cybroninternational>

Twitter <https://x.com/cybronintl>

LinkedIn <https://www.linkedin.com/company/cybron-international>

YouTube <https://www.youtube.com/@cybroninternational>

CYBRON INTERNATIONAL LIMITED COMPANY REGISTRATION NUMBER 14686268