



CYBRON SCOUT

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

8th GRADE STANDARD

GRADE 8th CLASS STANDARD 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 Research shows that while some schools have introduced cybersecurity-related content, the curriculum is limited, outdated, and insufficient to meet the evolving needs of both students and society.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 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 8 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 8 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

- 8th 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 8th 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 8th 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 8th Standard	10
One Credit Hour	10 Learning Hours
Total Credits Required	2 Credit Hours
Total Time to complete to class 8th Standard	One Year
Assessment	Online / Paper based
Passing Criteria	70 percent



OTHER LEARNING ACTIVITIES

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 8th 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 8th 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: Principle of Cyber Security	
Task 1	<p>Principles of Cyber Security</p> <p>CIA (Confidentiality, Integrity and Availability)</p> <p>Key Concepts of Cyber Security</p>
Task 2	<p>What is Personal Digital IDs</p> <p>What is the importance of Personal Digital ID</p> <p>How the Personal ID adjunct with your life</p> <p>Why & How the Hackers need to hack your personal IDs</p> <p>Methods of reconnaissance or foot-printing</p> <p>How to Protect your digital devices</p> <p>Knowing about different platforms and its settings</p> <p>Personalize your settings</p>

Domain 2 Asset and its importance in controlling	
Task 1	<p>What is the Asset?</p> <p>What is the importance of assets in Information and Cyber Security?</p> <p>What is Asset ID?</p> <p>Asset Labelling</p> <p>Identification of Asset and its Labelling</p> <p>Exercises</p>
Task 2	<p>Major Parts of the Computers</p> <p>Internal architecture of the Computer and its Security</p> <p>Concepts, working of Mother Board and its Security</p> <p>Concepts, working and types of ROM and its Security</p> <p>Concepts, working and Types of RAM and its Security</p> <p>Concept & working of Busses in the computer system and its Security</p> <p>Concept & working of Main processor and its Security</p> <p>Concept & working of Hard-disk Drive and its Security</p> <p>Concept & working of LAN Card and its Security</p> <p>Concept & working of Modem and its Security</p>

Domain 3: Cryptography Hashing and Other related Functions	
Task 1	<p>Security Inside the computer System</p> <p>How the internal message is transferred and secured</p> <p>How the external message is transferred and secured</p> <p>What is Hash in the security</p> <p>One Way Function</p> <p>What is CRC (Cyclic Redundancy Check) and Parity Bit</p> <p>What is the Function of Hash to secure the transactions</p> <p>Examples of message transformation with Hash</p> <p>Can the Hash decoded</p>
Task 2	<p>Introduction to Encoding and Decoding</p> <p>Types of Encoding</p> <ul style="list-style-type: none"> Character Encoding Data Encoding Compression Encoding Cryptographic Encoding <p>Types of Decoding</p> <ul style="list-style-type: none"> Character Decoding Data Decoding Decompression Cryptographic Decoding (Decryption) <p>Encoding and Decoding Algorithms</p> <ul style="list-style-type: none"> Encoding Algorithms Decoding Algorithms <p>Applications of Encoding and Decoding</p> <ul style="list-style-type: none"> Data Transmission Data Storage Cryptography Error Detection and Correction <p>Challenges in Encoding and Decoding</p> <p>Data Integrity</p>

Domain 4: Cryptography Hashing and PKIs & Data Protection

Task 1	<p>Introduction to cryptography Basic Concepts in Cryptography History of cryptography Types of Cryptography Cryptographic Hash Functions Public Key Infrastructure (PKI) Digital Signatures Key Management Applications of Cryptography</p>
Task 2	<p>Importance of Data How the data states will be changed in the system Protection of Data What is a database and how it works Use of Data in Industries Data Backups</p>
Task 3	<p>Introduction to Web 2.0 Web Technologies Browsers Security Purpose of SSL and TLS How the Web browser works when SSL Enabled</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 8 th 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 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

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

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