

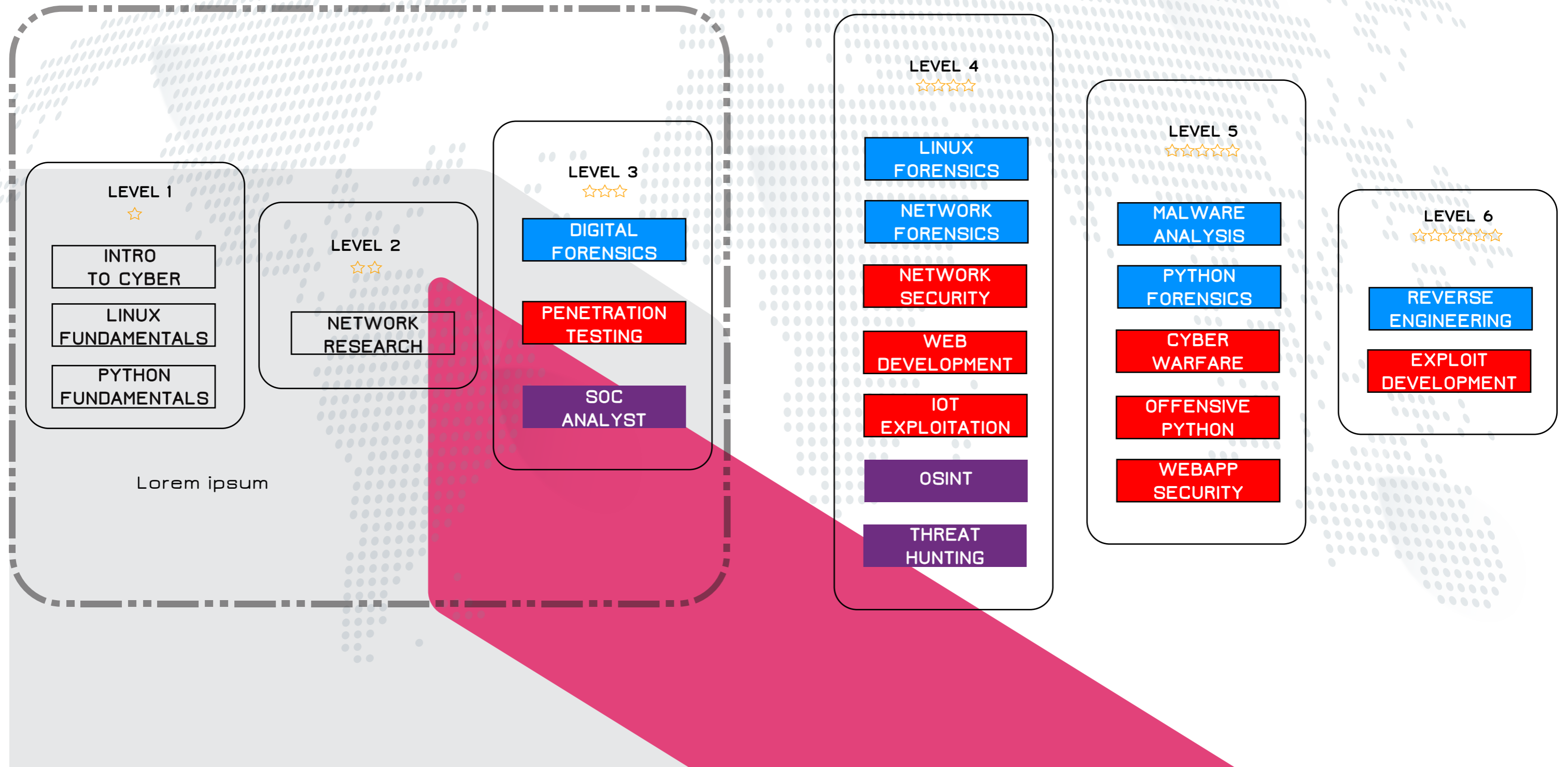


# SSSi Online Tutoring Services Pvt Ltd offers Cyber Security Course

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# CURRICULUM AND CERTIFICATIONS LEVELS WITH LEARNING MODULES





PROGRAMS

SCHEDULE

CERTIFICATION

- ▶ It is a Video-Based Learning Platform that has in total 6 different Levels, which contain different Programs (precise Cybersecurity topics).
- ▶ The Entry Bundle includes all the Programs in Levels 1 and 2 (white) and give the chance to select one of the Career Paths (Blue, Red or Purple) at the 3rd Level.
- ▶ Once registered, students will sequentially have access to the specified Programs (precise Cybersecurity topics) as per the yearly schedule.



- ▶ On specific dates, Students will have 4 hours to consult a specialized trainer, to ask questions and get help to get prepared for the scenarios (exam) of the corresponding programs.
- ▶ In order to move from a Program to another, students need to have completed all Labs and one Exam (if they fail with scenario A, they can retry with B) of the corresponding Program.
- ▶ In order to move from one level to another, the students need to have completed all the Programs of a specific color in a given Level.

## CYBERIUM ARENA LOGIN



CYBERIUM ARENA

### STUDENT LOGIN

Enter your credentials to access the simulator

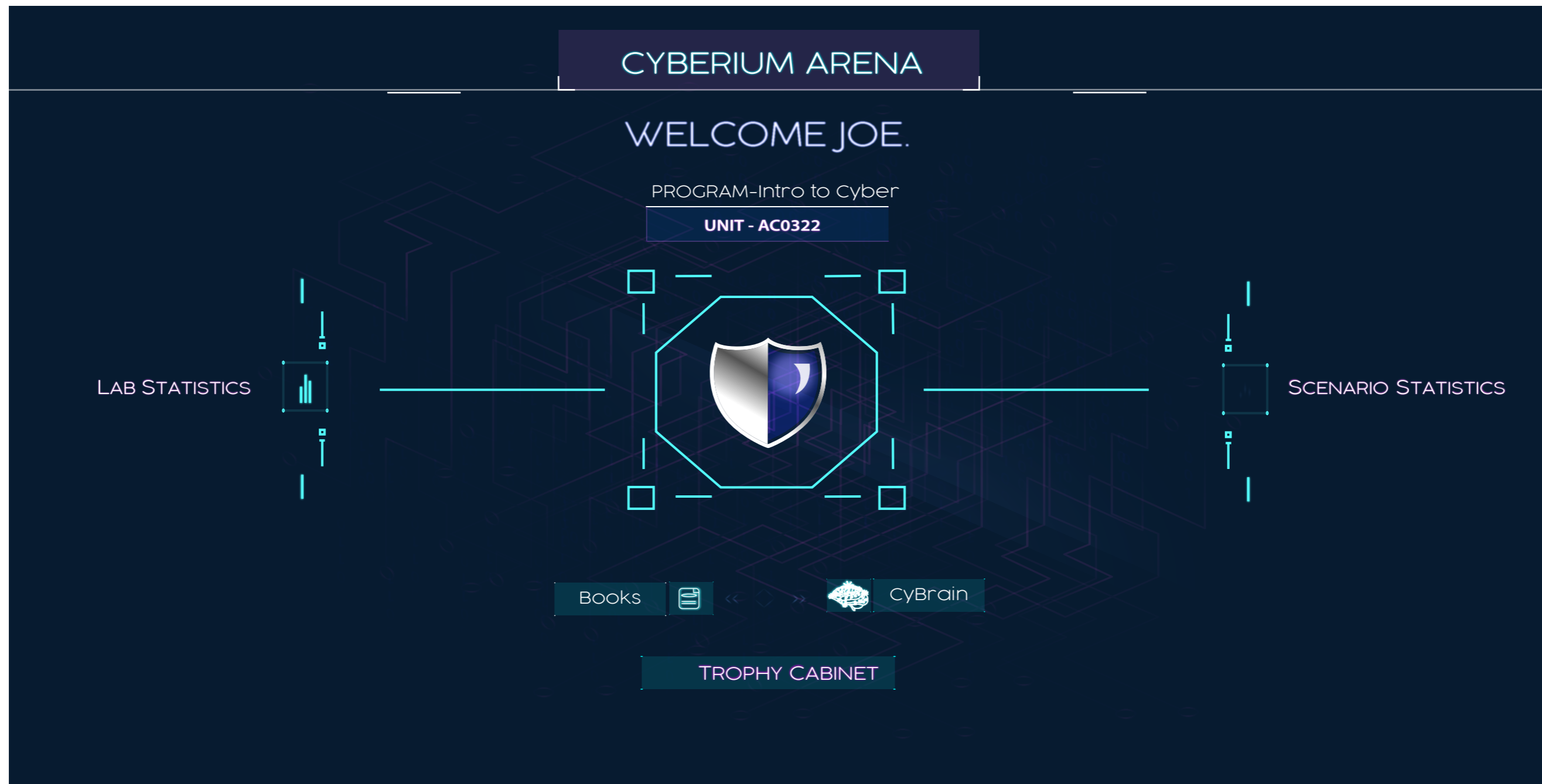
Email

Password

LOGIN

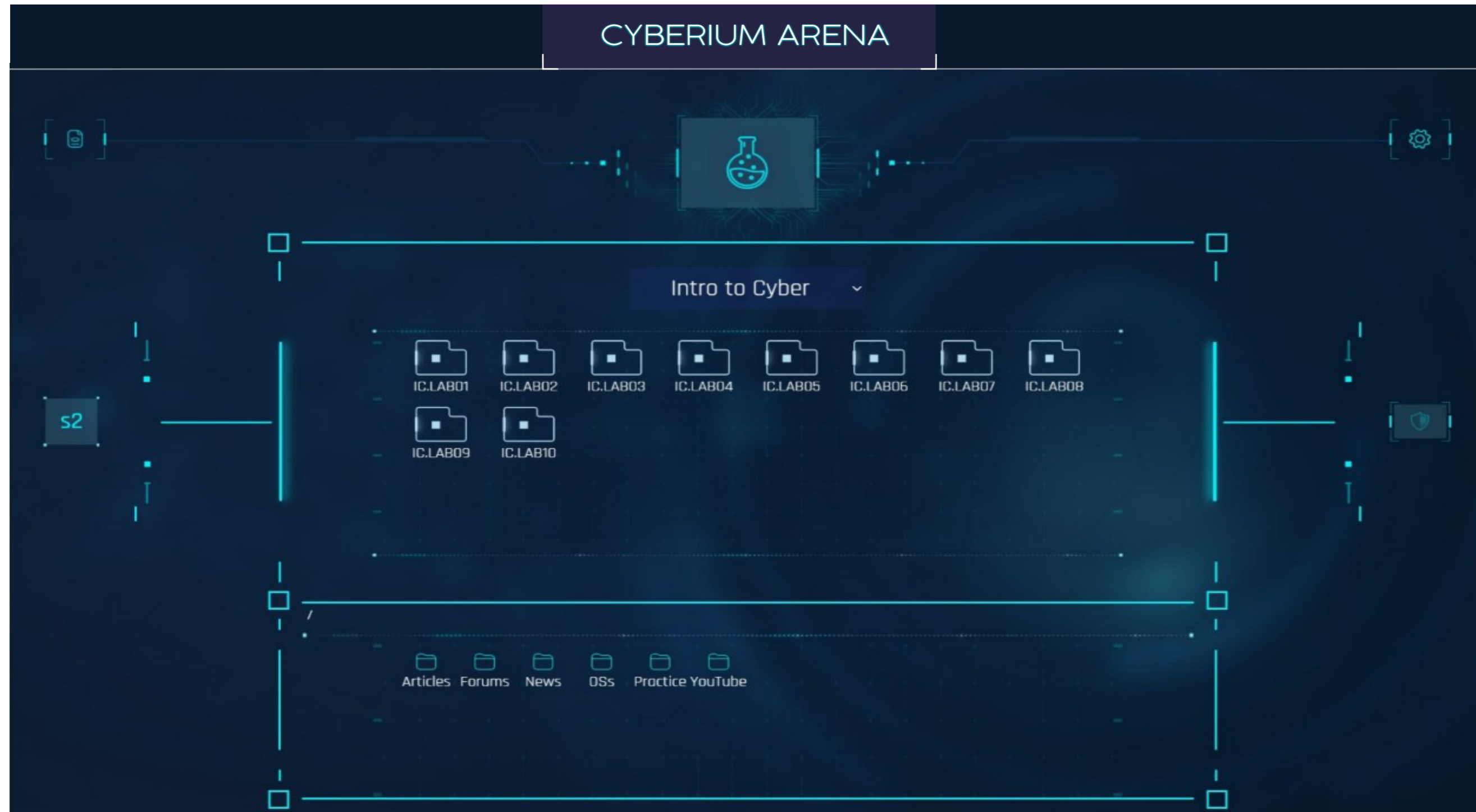
Once registered, students can connect to the Cyberium Arena learning environment, From that moment on, students will become anonymous on the system, so that their results could be compared and benchmarked against others, without Privacy Issues.

## MAIN SCREEN



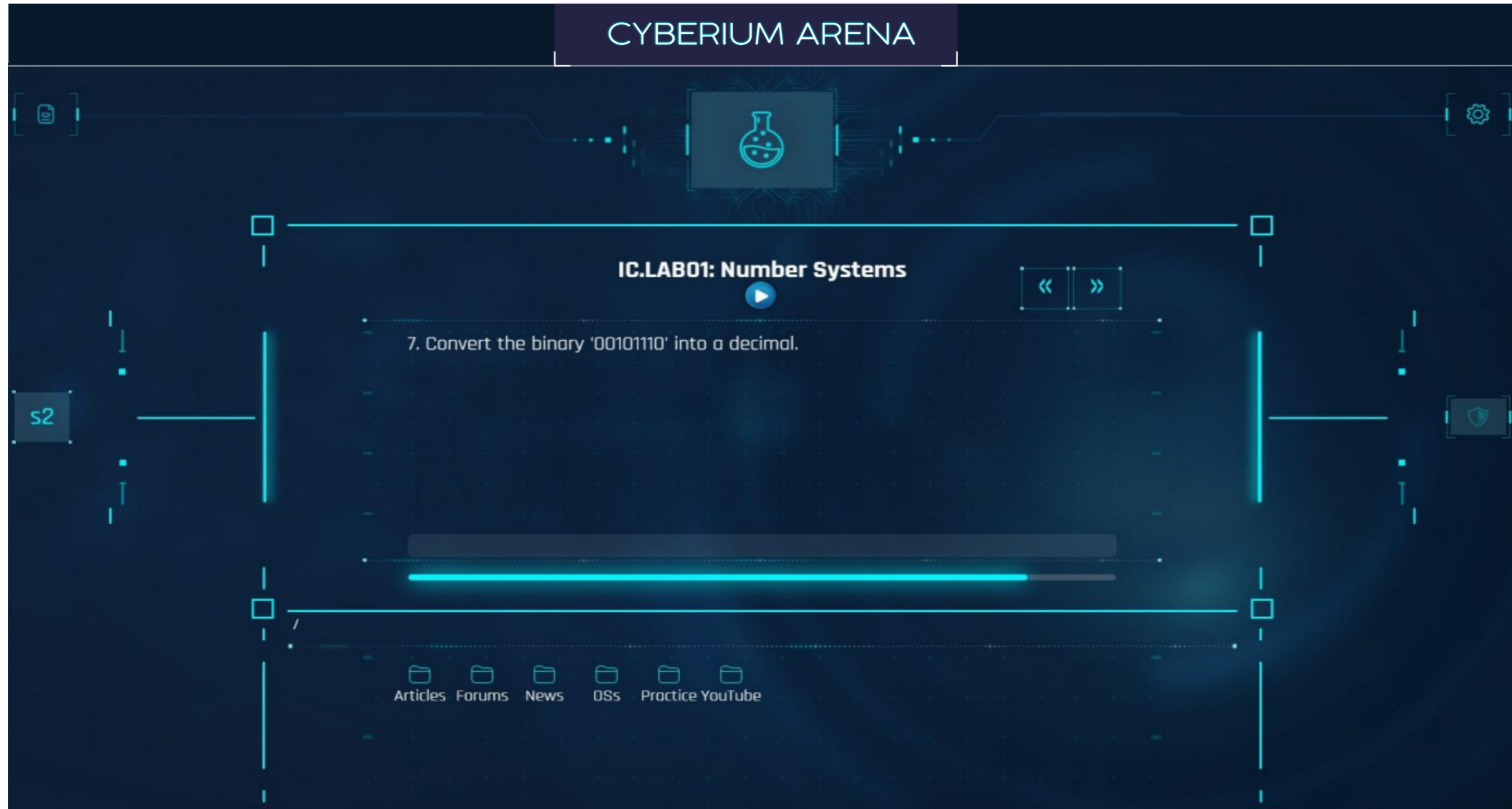
The main screen gives the student a central access to the Program Labs, to his Labs and Scenario Statistics, to the Program Books and to the Trophy Cabinet, where Certificates are stored when Programs are completed,

## PROGRAM LABS



The Lab screens lists all the lab modules that pertain to a given Cybersecurity Program. Students also have access to the Program Book and other related information and articles on the Internet.

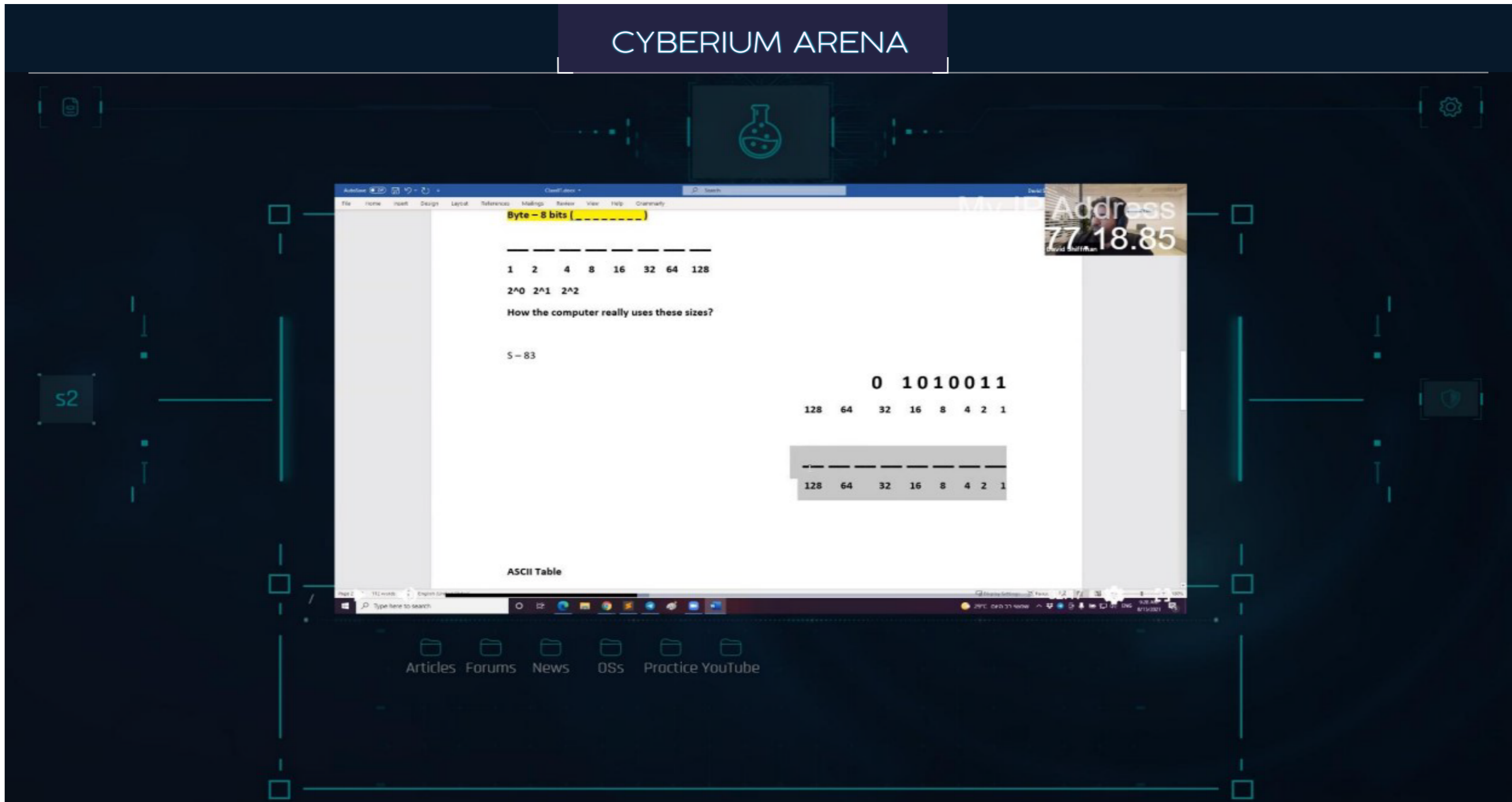
## LAB QUESTIONS

The screenshot shows a dark-themed user interface for 'CYBERIUM ARENA'. At the top, a purple bar contains the text 'CYBERIUM ARENA'. Below this, a central area displays 'IC.LAB01: Number Systems' with a play button icon. A question is presented: '7. Convert the binary '00101110' into a decimal.' Below the question is a large, empty text input field with a glowing cyan underline. The interface includes various navigation and utility icons: a document icon, a gear icon, a shield icon, and a sidebar with 's2'. At the bottom, there is a menu with icons and labels for 'Articles', 'Forums', 'News', 'DSs', 'Practice', and 'YouTube'.

Once the Student is doing a concrete Lab, he will be prompted with a series of questions that are related to the lab in question.

When necessary, the student can access the video recording, to review certain aspects.

## VIDEO RECORDINGS

A screenshot of a video player interface. At the top, a dark blue banner contains the text 'CYBERIUM ARENA' in white. Below the banner is a navigation bar with a search icon, a play button, and a settings icon. The main content area shows a video player with a thumbnail of a person. The video content displays a webpage titled 'Byte - 8 bits' with a table of powers of 2 and a binary sequence '0 1010011'. The webpage also includes an 'ASCII Table' section. The video player has a dark blue background with a grid of control buttons. At the bottom of the video player, there are navigation links: 'Articles', 'Forums', 'News', 'OSs', and 'Practice YouTube'.

When the student clicks on the Play button during a lab, a Video Player will pop-up with the corresponding material and explanations of the instructor.



## BOOK ACCESS

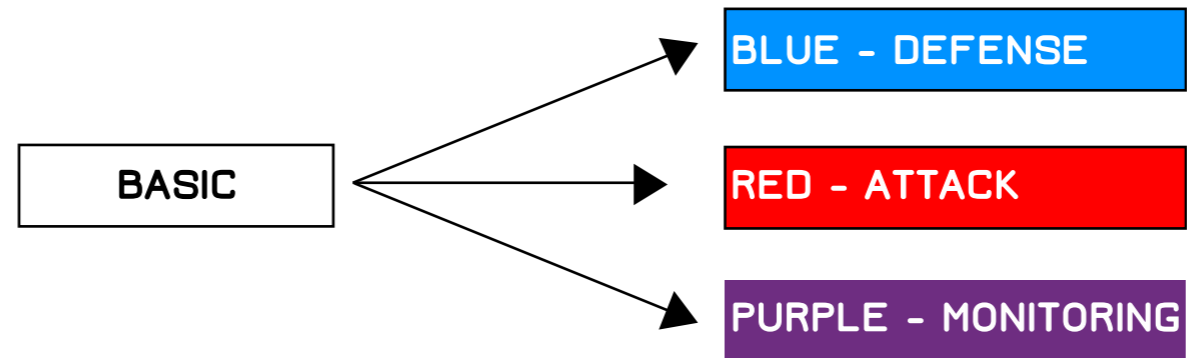
The screenshot shows a digital book viewer interface. The top bar includes a menu icon, a unique identifier '632029b2-2e71-4e8f-a2b4-a718135376ad', page information '2 / 42', a zoom level of '100%', and navigation icons. The left sidebar displays a vertical list of page thumbnails, with the second thumbnail (page 2) highlighted in blue. The main content area displays the 'Table of Contents' for the book 'Intro to Cyber'. The table lists five modules and their sub-topics with corresponding page numbers.

2   Page		Intro to Cyber	
<b>Table of Contents</b>			
<b>Module 1: Information Security</b> ..... 3			
	Fundamental Concepts in Information & Cybersecurity	.....	8
<b>Module 2: Introduction to Windows</b> ..... 11			
	Common Windows Items	.....	12
	Common Extensions	.....	12
	Basic Commands in Windows	.....	13
	User Permissions	.....	14
	Windows Services	.....	15
	Windows Services Control Manager	.....	15
	Windows Services Vs. Regular Applications	.....	16
<b>Module 3: Protocols and Services</b> ..... 17			
	The 7 Layer Model (OSI)	.....	17
	TCP/IP Model	.....	18
	Using the Internet	.....	20
	IPv4	.....	23
<b>Protocols and Services</b> ..... 24			
	DNS	.....	24
	Remote Connection Protocols (Windows)	.....	25
<b>Module 4: Diving into Packets</b> ..... 26			
<b>Wireshark - Diving into Packets</b> ..... 26			
	Non-Secure and Secure Packets	.....	27
	Filtering and Parsing	.....	29
	Extracting Objects and Files from Pcap Files	.....	31
	Important Protocols	.....	31
	Introduction to Scanning	.....	32
	Scanning with Shodan	.....	33
<b>Module 5: Cyber Attacks</b> ..... 37			
<b>Intro to Cyber Security</b> ..... 37			
	Antiviruses	.....	37

The Official Training Book of a given Cybersecurity Program is always available, so that the student could refer to it, when needed, in his Cyberium-Arena student environment,



## CYBERSECURITY CAREER PATHS



	BASIC	DEFENSE	ATTACK	MONITORING
LEVEL.1	INTRO TO CYBER LINUX FUNDAMENTALS PYTHON FUNDAMENTALS			
LEVEL.2	NETWORK RESEARCH			
LEVEL.3		DIGITAL FORENSICS	PENETRATION TESTING	SOC ANALYST
LEVEL.4		LINUX FORENSICS NETWORK FORENSICS	NETWORK SECURITY WEB DEVELOPMENT IOT EXPLOITATION	OSINT THREAT HUNTING
LEVEL.5		MALWARE ANALYSIS PYTHON FORNSICS	CYBER WARFARE OFFENSIVE PYTHON WEBAPP SECURITY	
LEVEL.6		REVERSE ENGINEERING	EXPLOIT DEVELOPMENT	





## ACADEMY SCHEDULE-2022

The video-based Cybersecurity training is an option that allows the students to start and learn the basics from the very beginning and get a valuable knowledge and hands-on experience to become competitive in the market.

The following schedule shows the first 3 levels, which constitute the Entry- Bundle. (Note: the dates are indicative and might be modified as needed during the course of the year)

Su	Mo	Tu	We	Th	Fr	Sa	
					1	2	<b>APRIL</b>
							0- Early Registration
3	4	5	6	7	8	9	0- Early Registration
10	11	12	13	14	15	16	0- Early Registration
17	18	19	20	21	22	23	0- Early Registration
24	25	26	27	28	29	30	0- Early Registration
Su	Mo	Tu	We	Th	Fr	Sa	
					1	2	<b>JULY</b>
							2- Linux Fundamentals (LNF)
3	4	5	6	7	8	9	2- Linux Fundamentals Trainer 2x 2h SUN & WED
10	11	12	13	14	15	16	2- Linux Fundamentals Exam A
17	18	19	20	21	22	23	2- Linux Fundamentals Exam B
24	25	26	27	28	29	30	Summer Break (1/2)
31							Summer Break (2/2)
Su	Mo	Tu	We	Th	Fr	Sa	
						1	<b>OCTOBER</b>
							4- Network Research (part 3/3)
2	3	4	5	6	7	8	4- Network Research Trainer 2x 2h SUN & WED (part 3/3)
9	10	11	12	13	14	15	4- Network Research Exam A
16	17	18	19	20	21	22	4- Network Research Exam B
23	24	25	26	27	28	29	4- Network Research Exam B
30	31						5- WF   PT   SOC (part 1/3)
Su	Mo	Tu	We	Th	Fr	Sa	
						1	<b>NOVEMBER</b>
							5- WF   PT   SOC (part 1/3)
2	3	4	5	6	7	8	5- WF   PT   SOC Trainer 2x 2h SUN & WED (part 1/3)
9	10	11	12	13	14	15	5- WF   PT   SOC (part 2/3)
16	17	18	19	20	21	22	5- WF   PT   SOC Trainer 2x 2h SUN & WED (part 2/3)
23	24	25	26	27	28	29	5- WF   PT   SOC (part 3/3)
30	31						
Su	Mo	Tu	We	Th	Fr	Sa	
						1	<b>DECEMBER</b>
							5- WF   PT   SOC (part 3/3)
2	3	4	5	6	7	8	5- WF   PT   SOC Trainer 2x 2h SUN & WED (part 3/3)
9	10	11	12	13	14	15	5- WF   PT   SOC Exam A
16	17	18	19	20	21	22	5- WF   PT   SOC Exam B
23	24	25	26	27	28	29	Christmas Break (1/2)
30	31						

Students will have access to specialized trainers to clarify doubts and get prepared to pass the exams at the end of each Cybersecurity Program they will do.

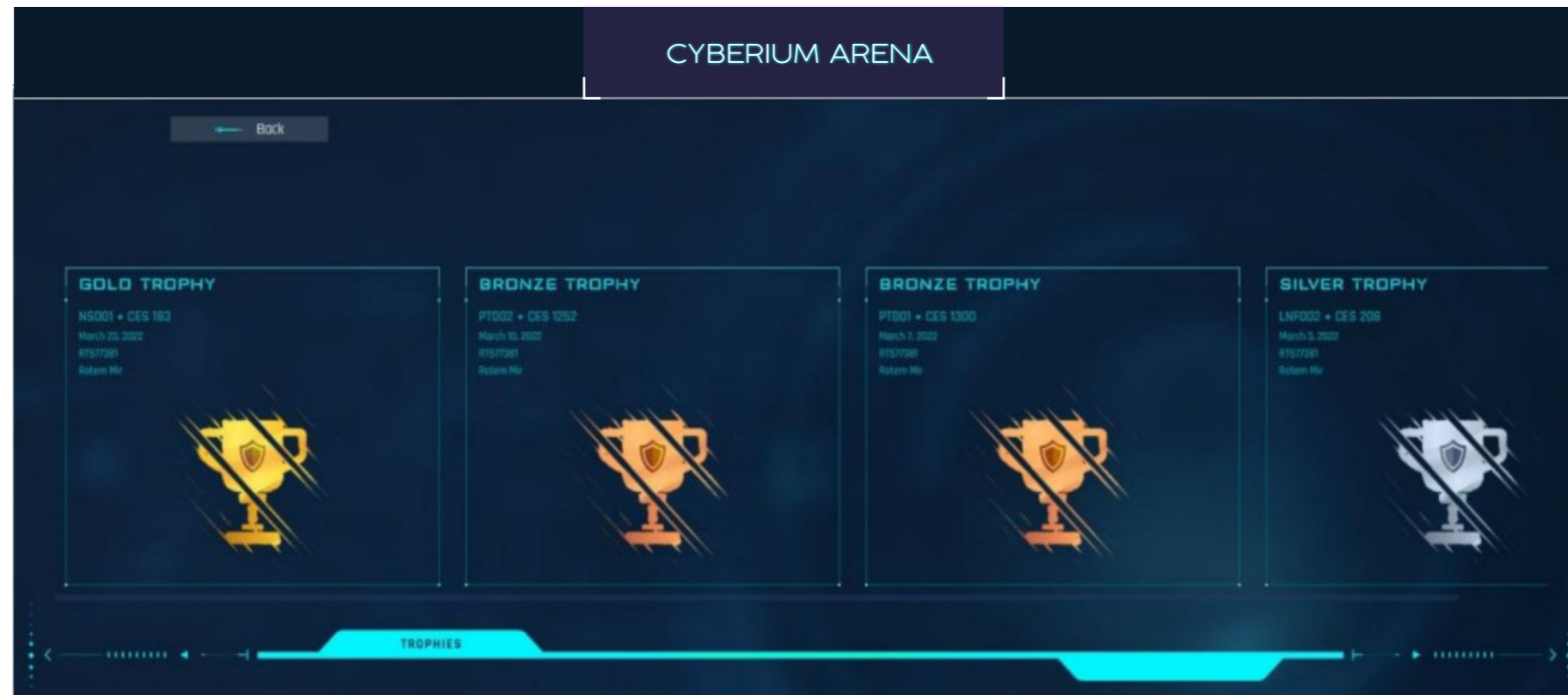
The first 3 levels of the Entry-Bundle are mandatory to get access to the more advanced Programs. The schedule for the subsequent levels from 4 to 6, will be available and updated on the website.





## GIVE YOUR CAREER A BOOST

Participants will get a Certificate upon completion of all labs and after a successful Exam of the given Program



The Cyberium-Arena Simulator will provide the participants a Cyberium Efficiency Score (CES) when they pass Exams, so that they could benchmark their results against the overall community of Cyber-Experts that have previously done the same Exams.

This is an excellent way to demonstrate the value of your skills and capabilities to HR and Recruiters.

The Digital Forensics, Penetration Testing and SOC Analyst Programs at the 3rd level of our Academy are extremely valuable in today's Cybersecurity context. Companies need these roles!

**PROGRAMS**

**SCHEDULE**

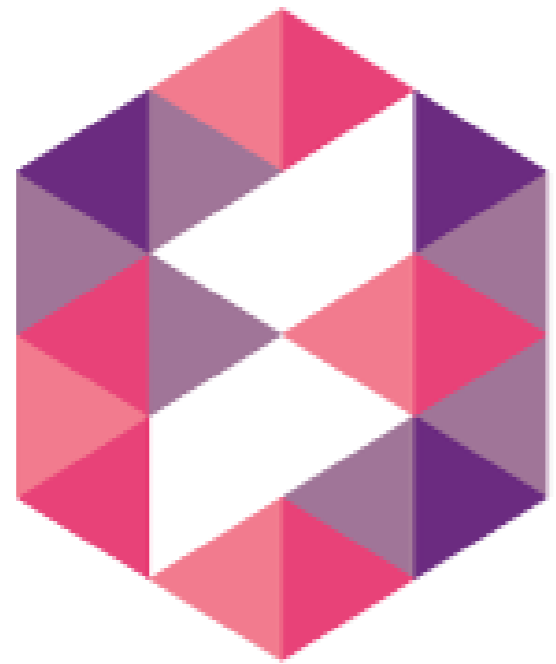
**CERTIFICATION**

A dark blue, stylized illustration of a computer workstation. It includes a monitor, a keyboard, and a mouse. The monitor displays a grid pattern. Several gears of different sizes are scattered around the workstation, and a magnifying glass is positioned over the monitor. The entire scene is set against a light gray background.

**CONTACT US  
TO REGISTER**

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SSSi

Where Learning Never Stops