CYBERSECURITY

CENTER OF EXCELLENCE FOR IT, COMPLETE ADVANCED CYBERSECURITY & FORENSIC PROGRAM

INDUSTRY 4.0 MANUFACTURING CYBERSECURITY

FUTURE OUTLOOK OF CYBERSECURITY MARKET

McKinsey & Company

\$101.5 Billion in projected spending on service providers by 2025 **15%** annual increase of costs related to Cybercrime 85% of MSMEs intend to increase IT security spending until 2023

Million Cybersecurity positions now open worldwide by 2025

3.5

We have Real Physical Systems for live Demonstration of complete COE

We understand CYBERSECURITY is a subject of importance for you and your organization. We are pleased to introduce

MARCRAFT, an ETG Brand based in USA, who have developed innovative state of the art, modern advanced

COMPLETE CYBERSECURITY TRAINING PROGRAM

for all Instructors, students, and Industries. Cyber Security is an all-encompassing domain of Information Technology, comprising the entire set of security-related technologies and issues

OUR OFFERINGS

Complete Physical Laboratory with real Industrial Hardware and Software with Structured Curriculum Courseware

Textbooks/Lab guide, Instructor guide materials

Hands-On Experience, Installation, Training, Internship

Complete comprehensive Online course for both Instructor and Student

Access hands-on environment remotely for Real Time Laboratory Practicals

Conduct Full Comprehensive Faculty Workshop for setting up of COE

Industry expert as Mentors and Advisors and real case studies of Cyber attacks, Prevention and Protection

Entrepreneur Development Program

Course Objectives aligned to 9 International Certifications



Authorized

Official

Partner

ama

- □ NIST Cybersecurity Framework
- **D** NAAC Accreditation Benefits
- **D** Technical education resources for both

Remote Access (Terra) and Classroom

CERTIFICATIONS

Marcraft Program Modules prepares the Students for below certifications



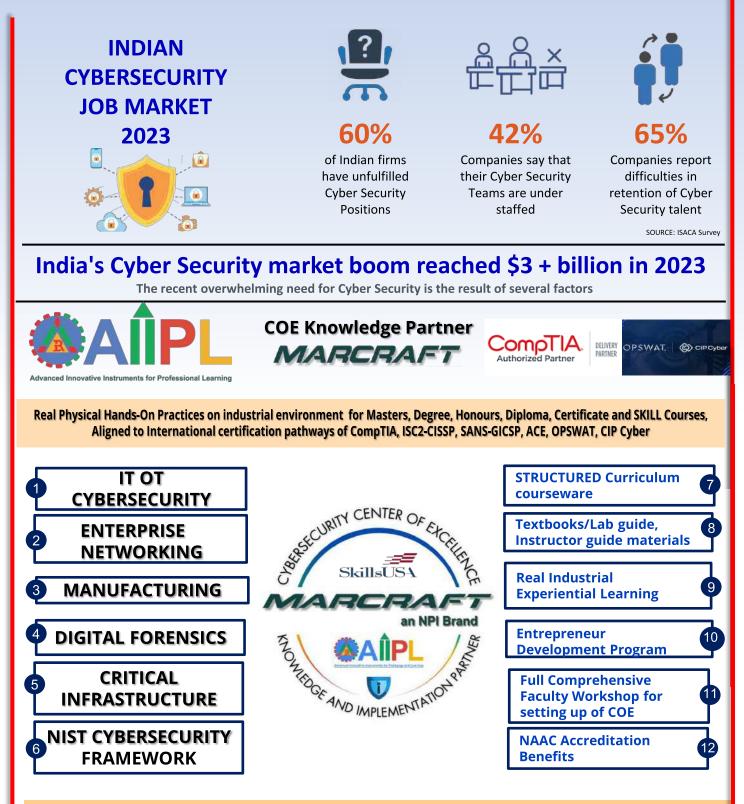
SkillsUS



India faces shortage of Cyber Security Talent

NASSCOM reports that despite having the largest IT talent pool in the world, India simply lacks skilled cyber security professionals. In fact, the need for experienced professionals is so high that companies are willing to pay a premium salary of over Rs 1.5 to 4 crore to top talent.

Cybersecurity is a job-creator in the world of technology jobs: Global research reveals that cyber risk is now perceived as a business risk



Complete Physical Laboratory with real Industrial Hardware and Software. Hands-On Experience, Installation, Training, Internship. Access hands-on Industrial environment. Industry expert as Mentors and Advisors and real case studies of Cyber attacks, Prevention and Protection.

All programs of AIIPL Cybersecurity is aligned to achieve high-quality teaching and learning, UGC and NAAC have recommended outcome-based education (OBE) as their primary framework for teaching, learning, and evaluation based on Bloom's taxonomy.

NAAC ACCREDITATION BENEFITS

- 1. VALUE ADDED COURSES NAAC Section 5
- 2. PHYSICAL FACILITIES NAAC Section 4.1
- 3. FACULTY DEVELOPMENT PROGRAMS NAAC Section 6.3.4

Institute can easily avail around 100 points by incorporating our IIOP program for their NAAC Accreditations

- 4. COLLABORATION NAAC Section 3.6.3
- 5. FUNCTIONAL MOUS NAAC Section 3.7.2
- 6. PLACEMENT- NAAC Section 5.2.2

Institute will be signing two MOU One with COE Knowledge partner Marcraft USA and Certification partner CompTIA USA.

We also offer our expertise in assisting the law enforcement agencies in matters related to electronic evidence, extraction, cybercrime investigation, documentation as well as interpretation of forensic reports.

INTRO TO CYBERSECURITY



☑ Prepares for Certification Students learn through 90 hours of theory and hands on practice labs about Security Layers, Operating System Security, Network Security, Security Software and Cyber Security.

CYBERSECURITY ESSENTIALS I Prepares for Certification



ADVANCED ENTERPRISE



SYSTEM ANALYST



INDUSTRIAL CONTROL SYSTEMS



CERTIFIED PENTESTER



INTRO TO DATABASES



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☑ Prepares for Certification The Marcraft Advanced Enterprise program prepares students to possess knowledge and skills required to install and configure systems to secure applications, networks, and devices.

☑ Prepares for Certification The Marcraft System Analyst program prepares students to configure and use threat detection tools, perform data analysis and interpret the results to identify vulnerabilities, threats, and risks to an organization.

Derepares for Certification The ICS/OT network security environment is built on devices, protocols, connectivity specifications and requirements that do not exist in the SOHO or Enterprise network.

Prepares for Certification The Marcraft Pentest program prepares students to possess knowledge and skills required to, plan and scope an assessment, understand legal and compliance requirements, perform vulnerability scanning and penetration testing.

☑ Prepares for Certification Using MySQL, this Marcraft program will teach students about database analysis and design, database development and implementation, administration & maintenance, security administration and client service.



A+ CERTIFICATION



NET+ CERTIFICATION



INTRO TO COMPUTERS



INTRO TO NETWORKING



CODING FOR CYBERSECURITY



INTRO TO THE INTERNET OF THINGS



☑ Prepares for Certification Students learn through 90 hours of theory and hands on practice labs about Security Layers, Operating System Security, Network Security, Security Software and Cyber Security.

☑ Prepares for Certification The best selling Marcraft PC Systems Concepts and Service Text, Lab and Practice Question CD-ROM is now in its 6th edition & includes complete coverage of newest CompTIA A+ Certification training objectives.

☑ Prepares for Certification Network & recognizes technician's ability to describe the features & functions of networking Components & to install, configure and troubleshoot basic networking hardware, protocols and services.

☑ Prepares for Certification Designed with the novice in mind, in this Marcraft program students will learn about Basic Computer Architecture and Operation, common software packages & their usage, as well as consumer maintenance practices.

☑ Prepares for Certification Students learn through 90 hours of theory and hands on practice labs about Network Infrastructures, Network Hardware, Understanding Protocols, & Network Services.

☑ Prepares for Certification In this Marcraft program students will study about software development theory, program design skills, programming and debugging skills while learning the basics of Python, Ruby, Powershell and Bash.

☑ Prepares for Certification This Marcraft program provides students with an introduction to processors, an introduction to sensors, an introduction to actuators as well as coding and internet fundamentals using Python scripting

CENTER OF EXCELLENCE FOR ADVANCE CYBER SECURITY AND FORENSICS PROGRAM BY MARCRAFT USA SUMMARY SHEET

A: CYBER SECURITY FOUNDATION

B: CYBER SECURITY ESSENTIALS

C: CYBER SECURITY ADVANCED

D: DIGITAL FORENSICS - DNA

E: LMS SUPPORT ONLINE TEACHING

F: ONLINE REAL TIME LAB PRACTICAL

G: INSTALLATION AND TRAINING

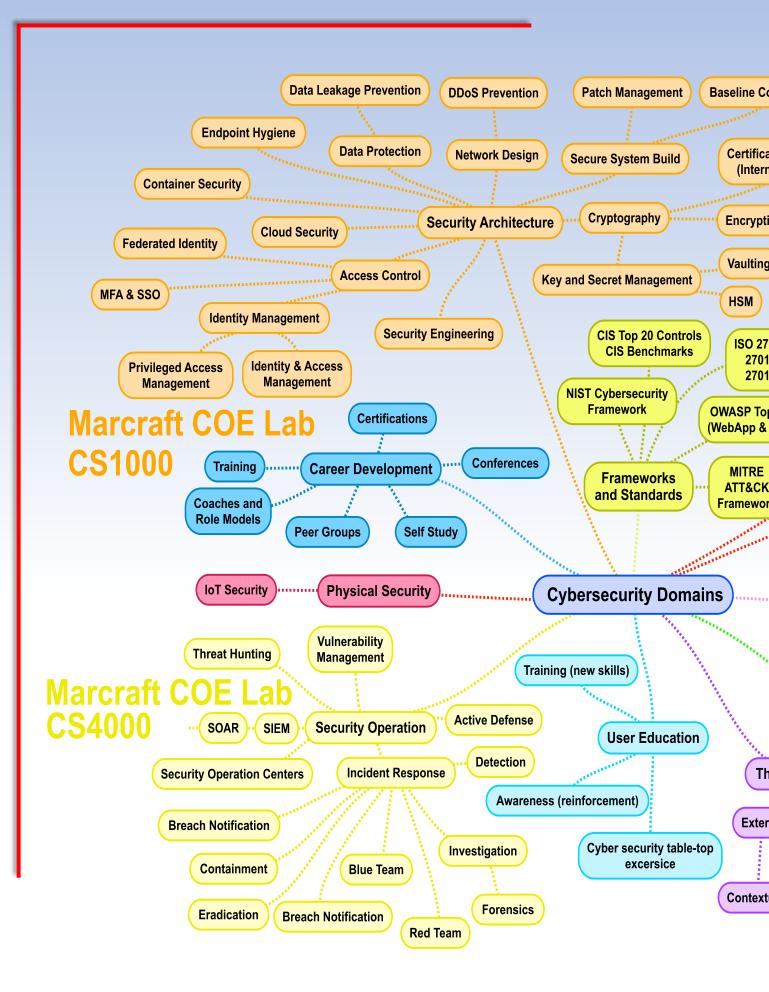
H: CLASSROOM TRAINING AND 100+ REAL CASESTUDIES

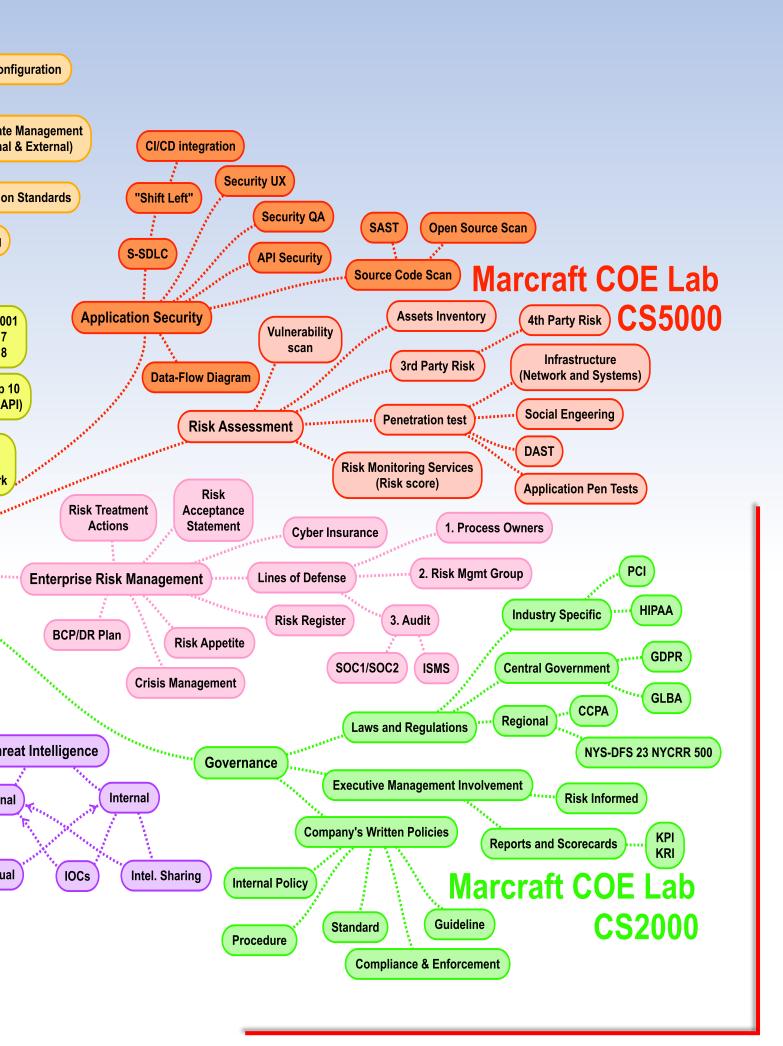
PART NO.	A: (CYBER SECURITY FOUNDATION) IT PROGRAMS - INTRO AND CERTIFICATION LEVEL			
	Introduction to Computer			
MC-2300	Complete Introductory Computer Course - 1 Station			
	Course Text/Lab/Instructor's Guide/ Presentation CD			
	Introduction to Networking and Introduction to Cyber Security* (Combo)			
DC-3500COM	I Intro to Cyber Security Equipment Package (for 24 Students - working in Pairs)			
	Course Text/Lab/Instructor's Guide/ Presentation CD			
	* Requires 12 Workstation Computers, to be arranged locally by the end user.			
	Introduction to Coding - PYTHON			
MC-2600	Intro to Coding Program Package (for 24 Students - working in Pairs)			
	Course Text/Lab/Instructor's Guide/ Presentation CD			
	* Requires 12 Workstation Computers, to be arranged locally by the end user. Computers from the NET+ Certification Program will be used for this program			
	Introduction to Databases			
MC-2700	Intro to Databases Program Package (for 24 Students - working in Pairs)			
	Course Text/Lab/Instructor's Guide/ Presentation CD			
	* Requires 12 Workstation Computers, to be arranged locally by the end user. Computers from the NET+ Certification Program will be used for this program			
	Requires MS Access 2016			
	Networking Technology Training Program (Net+ Certification)*			
DC-4002	Networking Technology Equipment Package (Networking equipment for 24 student)			
	Course Text/Lab/Instructor's Guide/ Presentation CD			
	* Requires 12 Workstation Computers			
	* 3 Servers to be arranged locally by the end user.			
	A+ Certification			
MC-9001	Maintaining & Repairing PCs and Universal Engineered HW/SW Fault Set, One Station			
	Course Text/Lab/Instructor's Guide/ Presentation CD			

	B: CYBER SECURITY ESSENTIALS PROGRAM* FOR 24 STUDENTS BATCH				
	 Cyber Security Essentials Equipment Package Rotational Full (for 24 Students) 1. Critical Infrastructure Security Systems and Devices. 2. Security for local Intelligent Computing and Controlling Devices and Systems. 				
CS-1000	 Security for Local Area Network Components and Systems. Cyber Security for Users and Networks Attached to the Internet. Enterprise Information Technology (IT) Network Security Systems & Techniques. Industrial/Utility Industrial Control System (ICS) Networks and Devices Security. Medical Network and Data System Security. Ethical Hacking Roles and Tools. Course Text/Lab/Instructor's Guide/ Presentation CD 				
	* Requires 14 Workstation Computers, to be arranged locally by the end user.				
	C: CYBERSECURITY PROGRAM – ADVANCED LEVEL ENDORSEMENTS				
CS-2000	Enterprise Network Security Equipment Package (for 24 Students)				
	Course Text/Lab/Instructor's Guide/ Presentation CD				
	* Requires 12 Workstation Computers, to be arranged locally by the end user.				
CS-3000	Industrial Security System Equipment Package (One Station)				
	Course Text/Lab/Instructor's Guide/ Presentation CD				
	2 computers required for 4 students				
CS-4000	Cyber Security Analyst Equipment Package (for 24 Students)				
	Course Text/Lab/Instructor's Guide/ Presentation CD				
	* Requires 12 Workstation Computers, to be arranged locally by the end user.				
CS-5000	Certified Pentester Equipment Package (For 24 Students)*				
	Course Text/Lab/Instructor's Guide/ Presentation CD				
	* Requires 12 Laptops, to be arranged locally by the end user.				
	* Requires 16 Core Server - Supplied by School				
	for the above advanced modules only 1 server is required as each of the advanced programs comes with an individual hard drive which is inserted in the server bay.				
	D1: DIGITAL FORENSICS				
DF-1000	Digital Forensics Equipment Package, One Station				
	Course Text/Lab/Instructor's Guide/ Presentation CD				
	E: LMS SUPPORT - ONLINE TEACHING UPGRADABLE AND CUSTOMISABLE FOR OTHER DEPARTMENT LABS				
	F: ONLINE REAL TIME LAB PRACTICAL SUPPORT UPGRADABLE AND CUSTOMISABLE FOR OTHER DEPARTMENT LABS				
	G: INSTALLATION AND TRAINING BY MARCRAFT TRAINED ENGINEER				
	H: CLASSROOM TRAINING AND 100+ REAL CASESTUDIES				

MARCRAFT IT - ADVANCE CYBERSECURITY					
		COURSE			
	INTERNATIONAL CERTIFICATIONS	II - ADVANCE CYBERSECURITY – FORENSICS			
I.T FOUNDATION		Introduction to Computer			
	CompTIA ITF+	Introduction to Networking and Cyber Security			
		Basic Cyber security Coding (Python) Introduction to Databases MySQL			
	CompTIA Network+ N10-007 Certification	Networking Technology Training Program Net+ Certification			
	CompTIA A+ CompTIA 220- 1001 Core 1 and 1002 Core 2	A+ Certification			
		Cyber Security Essentials Equipment Package Rotational Full			
		1) Critical Infrastructure Security Systems and Devices.			
CYBER		2) Security for local Intelligent Computing and Controlling Devices.			
		3) Security for Local Area Network Components and Systems.			
	ISACA Security Fundamentals Certificate CompTIA Security+	4) Cyber Security for Users and Networks Attached to the Internet.			
SECURITY		5) Enterprise Information Technology (IT) Network Security			
ESSENTIALS		Systems. 6) Industrial/Utility Industrial Control System, Networks and			
		Devices Security.			
		7) Medical Network and Data System Security.			
		8) Ethical Hacking Roles and Tools.			
		Include SERVER, Factory fully loaded, with all programs and software.			
ADVANCED	CompTIA Security+ ISC2 Certified Information Systems Security Practitioner (CISSP)	Enterprise Network Security Equipment Package			
CYBER SECURITY	SANS Institute Global Industrial Cyber Security Professional (GICSP)	Industrial Security System Equipment Package			
	Network Analyst (CompTIA CySA+)	Cyber Security Analyst Equipment Package			
		Certified Pen tester Equipment Package			
FORENSICS	AccessData Certified Examiner (ACE)	Digital Forensics Equipment Package			
REAL CASE		Program in Cyber Crime Investigation			
STUDY AND		Program in Cyber Forensics Program in Digital Evidence			
COURSE		Program in Banking investigation			
4 PROGRAMS					

FORENSICS COE SUMMARY MATRIX					
Model Number	Station/ Student per Session	No. of Hours	Lab Procedures	Curriculum Text/Lab + Instructor Guide included	Computers, Laptops, Server, arranged by Institute
MC-2300	1 Station	45-60	70	1+1	-
DC-3500COM	24 Students	45-60	55	12+12+1+1	12 PCs
MC-2600	24 Students	45-60	30	12+1	12 PCs
MC-2700	24 Students	45-60	30	12+1	12 PCs
DC-4002	24 Students	100	40	12+12+1	12 PCs 3 Servers
MC-9001	1 Station	100	49	1+1	-
CS-1000	24 Students	180-240	63	C&P 12+12 E&T 12+12 Inst - 1	14 PCs
CS-2000	24 Students	45-60	53	12+1	12 PCs
CS-3000	1 Station	45-60	34	2+1	2 PCs
CS-4000	24 Students	45-60	19	12+1	12 PCs
CS-5000	24 Students	45-60	25	12+1	12 Laptop 1 server
DF-1000	1 Station	45	36	1+1	-
HCS 1 HCS 2 HCS 3 HCS-4	35 35 35 35	32 32 24 32			-
			504	174	88 PCs 12 Laptops 4 servers





CURRENT LANDSCAPE

Structured Platform is the absolute necessity of today!

OF CYBERSECURITY -

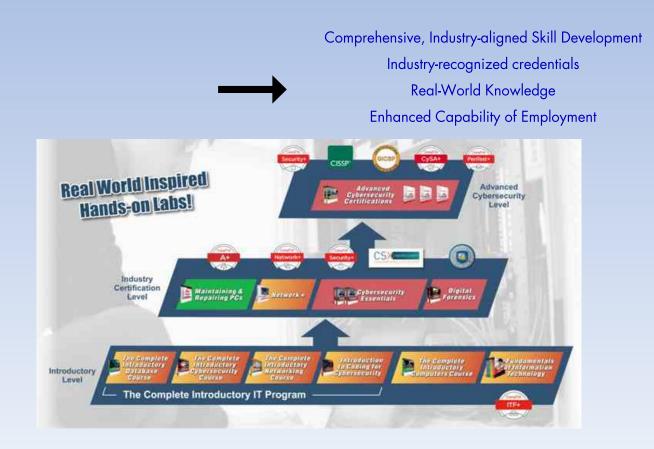
Industrial Curriculum with Real Physical Laboratories for Hands-on practices in an Industrial environment aligned to International Certification pathways.

THE GAP AND NEED

Cybersecurity as a job-creator in the world of technology jobs

BENEFITS	HANDS-ON LAB		
Hands-on Experience on real industrial environment (Active Learning by Doing)	Hands-on training involves active learning, which is a more engaging and effective way to learn than passive learning (e.g., reading or listening to lectures). Active learning involves doing things like setting up networks, configuring firewalls, and detecting and responding to security threats. This type of learning can help you better retain the knowledge and skills needed to pass any exam.		
Personalized Feedback and Support (Physical presence of Instructors)	Hands-on lab provides students with immediate feedback on their progress, allowing them to identify areas where they need to improve . Additionally, students have access to expert instructors who can provide guidance and support throughout the learning process.		
Real-world Experience and Scenarios	The Lab is designed to simulate real-world scenarios , allowing students to practice using the tools and technologies they will encounter in their future careers. This gives students a competitive advantage in the job market.		
Motivation due to Collaboration and Engagement	Students can collaborate with each other , share ideas, and work together to solve problems which can help them stay motivated and engaged in the learning process.		

MARCRAFT BENEFITS	INTERNATIONAL CERTIFICATE BENEFITS
Average retention rate for hands-on and structured learning is 75% compared to only 5% for lectures	The Certificate holder is 50% more likely to be promoted within one year of hire
Significantly improves problem-solving skills and students who engage in hands-on activities develop critical thinking, analytical reasoning, and troubleshooting abilities	The Certificate holder 2X as likely to be promoted
Industry aligned curriculum learning makes students apply theoretical knowledge to real-world scenarios, bridging the gap between academia and industry – 91% of employers prefer candidates with real-world experience and 83% of cybersecurity job postings require hands-on experience	The Certificate holder outperforms non-certified IT professionals in network administration and security-related activities
Way of learning involves collaborative activities, fostering teamwork and communication skills - 36% of employers prioritize teamwork and collaboration skills when hiring cybersecurity professionals	The Certificate holder has 3 0% greater professional influence overall than non- certified IT professionals with the same tenure



Full Lab Hardware and Software installation and customization as per no. of students per session with a full capacity is 20 Workstations for 200+ students per session.

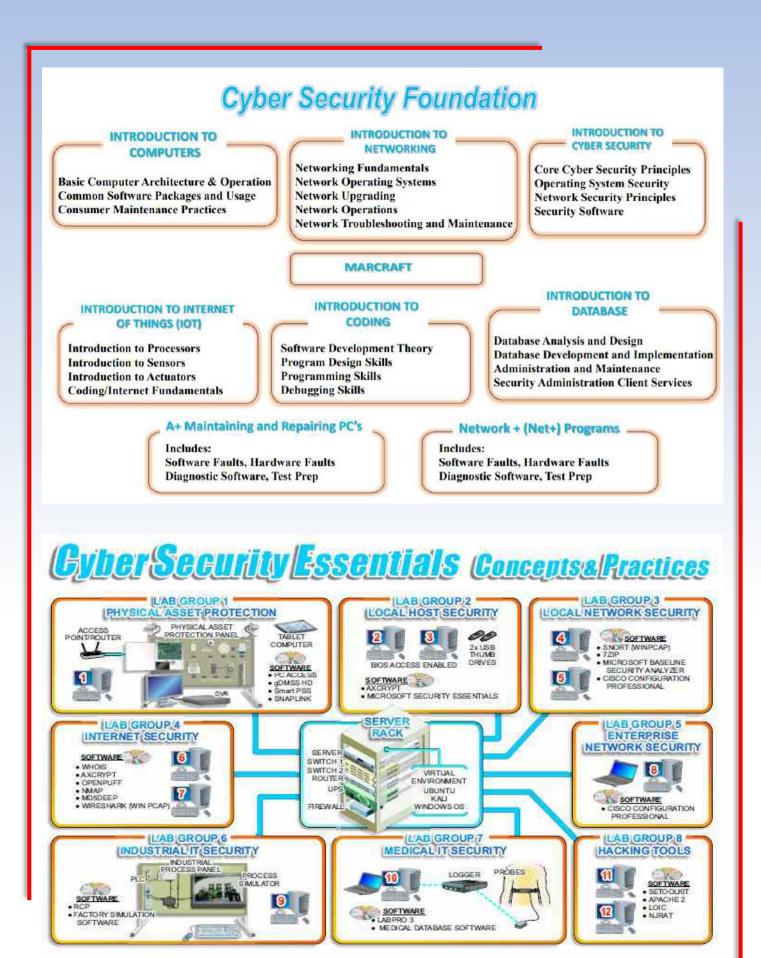
- Textbooks + Lab guides for students, and Instructor guides for faculties.
- Curriculum Preparation for both faculty members and students.
- Presentation cum teaching material for faculty staff.
- Preparing Lab procedures.
- Integrating Hardware, Software, and Curriculum with Lab procedures.
- Each Lab is set up for 24 students and is reset for the next batch.
- Preparing Curriculum aligning to existing curriculum and International Certifications.
- Preparing Test module, Feedback module, Review, and Examination module.
- Full comprehensive faculty training for running COE.
- Assisting in preparing students for completing various international certification courses in the fields of Cybersecurity, Infrastructure, and Data Analytics Certification pathways.
- Preparing customized LMS for faculty members.
- Preparing students for World Skill Skill USA competitions.
- 1 year Certificate Courses
- 4 years of Degree Courses
- 3 years B.Sc Courses
- 2 years Diploma Courses
- 2 years Masters/M.Sc Courses
- 6 months/1 year Distance Learning
- 3 6 months Advanced Faculty Development Program
- 3 6 months Industrial, Manufacturing, Banks, Police program
- 3 6 months Entrepreneurship Development Program

NEW CYBERSECURITY PROGRAM FOR BOTH DEGREE AND POSTGRADUATE VALUE ADDED PROGRAM, INTEGRATED PROGRAM

Institute with Cybersecurity program, Computer Science, IT, Networking, IIoT, Mechatronics, Automation, Manufacturing, Industry 4.0

Entrepreneur, Faculty Training

Work integrated program for all industries, Banks, Police, Crime Investigation, Forensics



an ETG Bri

24 STUDENTS - 20 HOURS PER LAB GROUP Prepares students to Challenge:

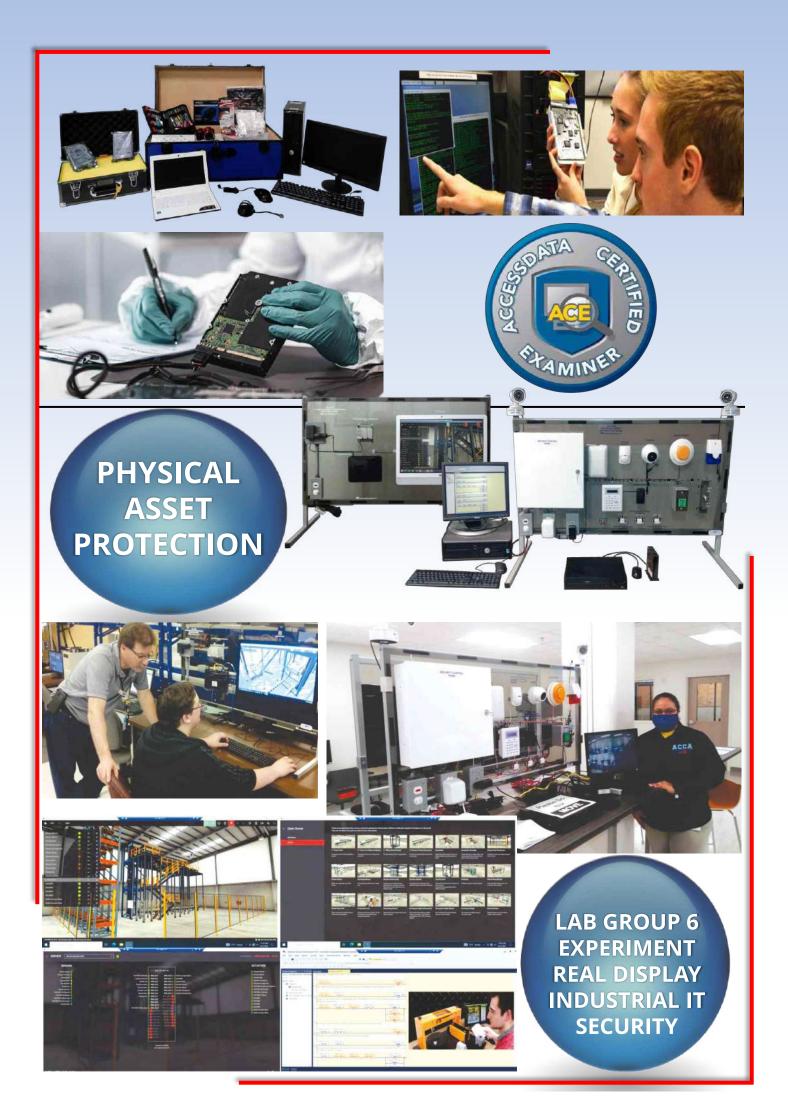
ISACA Cybersecurity Fundamentals Certificate Exam Microsoft Security Fundamentals MTA 98-367 Exam

Security +

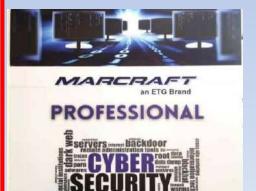


CLASSROOM TRAINING AND 100+ REAL CASESTUDIES

- Program in Cyber Crime Investigation
- Program in Cyber Forensics
- Program in Digital Evidence
- Program in Cyber Security for Banks



MARCRAFT – AIIPL PROFESSIONAL CYBERSECURITY LAB IN NAVI MUMBAI













Curriculum Textbooks Lab Guides Instructor Guides



COE WILL HAVE ALL FACILITIES TO RUN BELOW PROGRAMS

- 1 year Certificate Courses
- 4 years Degree Courses
- 2 years Diploma Courses
- 2 years Masters/M.Sc Courses
- 3 years B.Sc Courses
- 6 months/1 year Distance Learning
- 3 6 months Advance Faculty Development Program
 - 3 6 months Industrial, Manufacturing, Banks, Police program
- 3 6 months Entrepreneurship Development Program

COMPLETE CYBERSECURITY SKILL DEVELOPMENT PROGRAM

The Advantages of Industry Certification

#1 DEMONSTRATES PROFICIENCY by verifying skills and knowledge possessed by getting assessed with high standards established by industry leaders and are based on industry needs

#2 LEADS TO MORE EMPLOYMENT OPPORTUNITIES as individuals who earn industry certifications are more likely to be employed after earning a certification and can advance their career through promotions

#3 INCREASES EARNING POTENTIAL as certification earners are more proficient and effective in their positions, they are more likely to earn higher salaries and pay increases than those without industry certifications.

#4 OFFERS PROFESSIONAL DEVELOPMENT OPPORTUNITIES by expanding knowledge and skills. Earning an industry certification allows student/employee to strengthen the resume and become a valuable asset to their company.

#5 PROVIDES JOB SECURITY as more than half of all middle-skill job descriptions call for some form of postsecondary education which go unmet. One way to meet the necessary requirements of a middle-skill position is by earning an industry certification.

#6 OFFERS PROFESSIONAL CREDIBILITY showing to coworkers and other professionals in the industry the certification earner is highly-qualified, possesses the necessary knowledge, skills needed to be an asset to the company.

#7 SHOWS COMMITMENT TO INDUSTRY as earning an industry certification requires a significant investment of time and effort and indicates the individual is willing to put forth the necessary requirements to achieve success.

#8 KEEPS UP WITH INDUSTRY CHANGES as earning an industry certification guarantees the individual is up-todate with current industry standards and practices, especially if the individual has been in the field in for a significant portion of their career.

#9 INCREASES EMPLOYEE VALUE as listing an industry certification on a resume is a signal to potential employers the applicant has the necessary knowledge and skills needed to be an effective employee, thus saving their company valuable time and resources for training.

#10 EXPANDS PROFESSIONAL NETWORK as when an individual earns a certification from a recognized industry leader, he or she is automatically connected to the certifying organization. This expands their professional network, connecting them to thousands of individuals who share their knowledge, skills and passion for the industry.

KINDLY CONTACT US FOR A 2 HOURS WEBINAR ON CENTER OF EXCELLENCE FOR COMPLETE ADVANCED CYBERSECURITY PROGRAM AND FORENSIC FOR YOUR INSTITUTE

Manufactured By







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