Technology Incubation Center CIU

Professional Certificate in Cyber Threat Hunting

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FREE MSc / MBA / PG Diploma Program

Technology Incubation Center CIU

www.ciutesting.com

TECHNOLOGY INCUBATION CENTER CIU

LEADERSHIP THROUGH EXCELLENCE

How It Works!

How to earn FREE MSc MBA & PGD

These courses offered can be earned purely on the basis of clearing exams and getting certified individually for each paper your clear. Meaning if an Msc program has 15 papers, one thesis and a major project, you will be earning 15 CIU Certifications along with Msc degree. It is implied that you are already having skills prior to starting any one of these courses.

Features

- 1 MCQ Online test for each paper
- 2 CIU Certifications for each paper
- 3 Final Degree and Transcripts
- 4 No coursewares provided
- 5 Time limit to earn a degree is purely dependent on how early you can clear certifications exams along with thesis and a major project
- 6 All FREE courses offered are Accredited by QAHE 'USA
- 7 No Tuition fees, exams fees or the graduation fees are applicable. Its completely FREE for the list of 9 courses available on the right column of this page.

FREE Course List

- 1 MSc in Network Security (MSCNS)
- 2 MSc in Telecom Management
- 3 MSc in Computer Networking
- 4 MBA in Network Security (MBANS)
- 5 MBA in Telecom Management
- 6 MBA in Computer Networking
- 7 Post Graduate Diploma in Network Security
- 8 Post Graduate Diploma in Telecom Management
- 9 Post Graduate Diploma in Computer Networking

Details @ https://cambridgeuniv.org/tuitionfree/

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Professional Certificate in Cyber Threat Hunting

Cyber Threat Hunting industry is expected to grow at a pace of 50% annually. There is a tremendous requirement for Threat Hunters, hence CIU is poised towards training our students to keep pace with the Cyber Security Industry.

There is a mandatory requirement for pursuing FREE course that comes as bonus for forced learning in Cyber Threat Hunting

Free Course absolutely FREE from any of nine listed above programs.

Cost of Professional Certificate in Cyber Threat Hunting is US$ 900 only. With mere US$ 900 you will be earning FREE MSc/MBA/PGD + 15 CIU Certifications + Professional Certificate in Cyber Threat Hunting
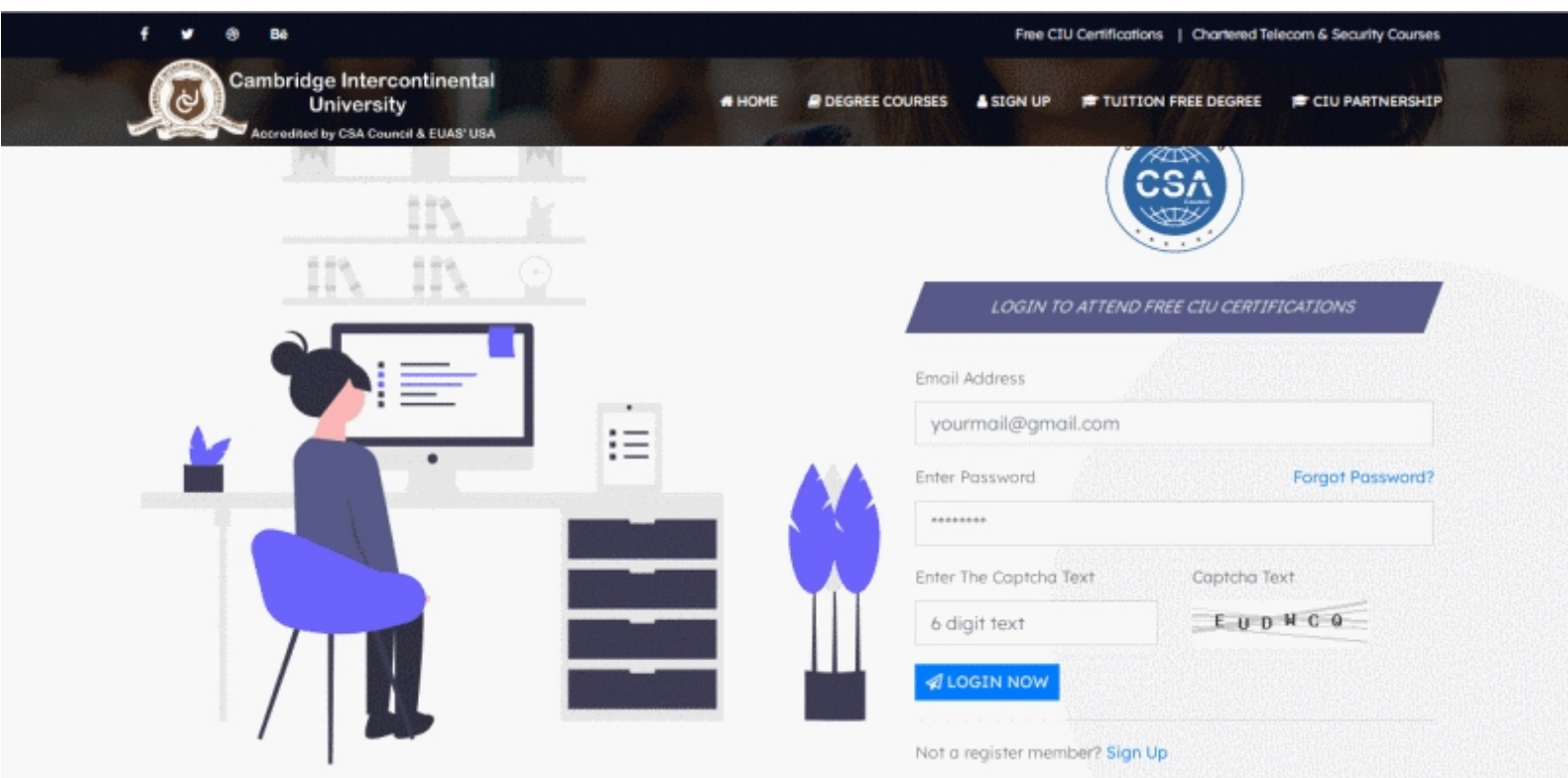
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How It Works!

Step 1. Download Prospectus from https://cambridgeuniv.org/tuitionfree/application.pdf

Step 2. Pay fees for Professional Certificate in Cyber Threat Hunting (Live Online Training)

Step 3. Login credentials will be provided enter details as in screenshot below

Step 4. Select your papers against your course to appear in online exam

1	LINUX	CIU CERTIFIED LINUX ADMINISTRATOR	LINUX	50	2	01:00:00	FREE	Already Attempted
2	HARDWARE	CIU CERTIFIED SERVER ADMINISTRATOR	SERVER TECHNOLOGY	50	2	01:00:00	FREE	Click here to start
3	HARDWARE	CIU CERTIFIED COMPUTER TECHNICIAN	HARDWARE	50	2	01:00:00	FREE	Click here to start
4	HARDWARE	CIU CERTIFIED IT TECHNICIAN	HARDWARE	50	2	01:00:00	FREE	Click here to start
5	WINDOWS	CIU CERTIFIED WINDOWS ADMINISTRATOR	MICROSOFT WINDOWS	50	2	01:00:00	FREE	Click here to start
6	SECURITY	CIU CERTIFIED FIREWALL ADMINISTRATOR	FIREWALL	50	2	01:00:00	FREE	Click here to start
7	HARDWARE	CIU CERTIFIED CLIENT/SERVER ASSOCIATE	SERVER TECHNOLOGY	50	2	01:00:00	FREE	Click here to start
8	NETWORK	CIU CERTIFIED NETWORK ASSOCIATE	NETWORKING	50	2	01:00:00	FREE	Click here to start
9	NETWORK	CIU CERTIFIED DATACOM ASSOCIATE	NETWORKING	50	2	01:00:00	FREE	Click here to start
10	SECURITY	CIU CERTIFIED ETHICAL HACKER	ETHICAL HACKING	50	2	01:00:00	FREE	Click here to start
11	NETWORK	CIU CERTIFIED INTERNET ASSOCIATE	NETWORKING	50	2	01:00:00	FREE	Click here to start
12	NETWORK	CIU CERTIFIED INTERNETWORKING ASSOCIATE	NETWORKING	50	2	01:00:00	FREE	Click here to start
13	LINUX	CIU CERTIFIED LINUX NETWORK ASSOCIATE	LINUX	50	2	01:00:00	FREE	Click here to start
14	LINUX	CIU CERTIFIED LINUX SECURITY ASSOCIATE	LINUX	50	2	01:00:00	FREE	Click here to start
15	MOBILE	CIU CERTIFIED IN MOBILE COMPUTING	MOBILE COMPUTING	50	2	01:00:00	FREE	Click here to start
16	NETWORK	CIU CERTIFIED IN NETWORK MANAGEMENT	NETWORKING	50	2	01:00:00	FREE	Click here to start
17	SECURITY	CIU CERTIFIED SECURITY ASSOCIATE	NETWORKING	50	2	01:00:00	FREE	Click here to start

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How It Works!

Each certification exam is comprising 50 MCQs to complete in one hour duration. For each exam you clear, you gain CIU Certification like CIU Certified Server Administrator .....

After completing your certification exam you can download and save in your personal archive. Here you can see CIU Certified Linux Administrator is available for download..... (Score "2" is just for demo)

This is a sample certificate. You will be getting 15 such certificates for Msc , 17 for MBA and 10 for PG Diploma upon completing each successive online exams. Not allowed to select more than 1 program.

Plus a transcript reflecting marks for each certification exams as under

Finally Degree Convocation as under

Beat the Hacker

I'M POSSIBLE
nothing is imposible

Get set for

Professional Certificate in Cyber Threat Hunting

Professional Certificate in Cyber Threat Hunting

1. Understanding Networking

Networking is important for threat hunters because it provides visibility across all platforms and is the first point of contact for a response. Threat hunting is a proactive approach to identifying cyber threats in an organization's network

2. Setting up our Hacking Lab

3. Working with Kali Linux OS

4. Reconnaissance

- 4.1 Recon using Using Whois Tool
- 4.2 Whatweb Stealthy Scan
- 4.3 Aggressive WTD on IP range
- 4.4 OSINT Analysis
- 4.5 theHarvester and Hunter.io
- 4.6 Recon with Sherlock
- 4.7 DNS Analysis
    - DNSRecon
    - DNSEnum
    - DNSMap

5. Scanning

- 5.1 Theory Behind Scanning
- 5.2 Understanding TCP and UDP
- 5.3 Installing Vulnerable Virtual Machine
- 5.4 Netdiscover
- 5.5 Performing First Nmap Scan
- 5.6 Different Nmap Scan Types
- 5.7 Discovering Target Operating System
- 5.8 Detecting Version Of Service Running On An Open Port
- 5.9 Filtering Port Range _ Output Of Scan Results
- 5.10 What is a FirewallIDS
- 5.11 Using Decoys and Packet Fragmentation
- 5.12 Security Evasion Nmap Options

6. Vulnerability Analysis

- 6.1 Finding First Vulnerability With Nmap Scripts
- 6.2 Manual Vulnerability Analysis _ Searchsploit
- 6.3 Nessus Installation
- 6.4 Discovering Vulnerabilities With Nessus
- 6.5 Scanning Windows 7 Machine With Nessus
- 6.6 Wrap up

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7. Exploitation - Gaining Access

- 7.1   What is Exploitation
- 7.2   Reverse Shells, Bind Shells ..
- 7.3   Metasploit Framework Structure
- 7.4   Msfconsole Basic Commands
- 7.5   vsftp 2.3.4 Exploitation
- 7.6   Bindshell Exploitation
- 7.7   Telnet Exploit
- 7.8   Samba Exploitation
- 7.9   SSH Attack - Bruteforce Attack
- 7.10 Exploitation Challenge
- 7.11 Explaining Windows Setup
- 7.12 Eternal Blue Attack
- 7.13 DoublePulsar Attack
- 7.14 BlueKeep Vulnerability
- 7.15 Routersploit
- 7.16 Router Default Credentials

8. Gaining Access (Viruses, Trojans, Payloads ...)

- 8.1 Generating Basic Payload With Msfvenom
- 8.2 Advance Msfvenom Usage Part 1
- 8.3 Advance Msfvenom Usage Part 2
- 8.4 Generating Powershell Payload Using Veil
- 8.5 TheFatRat Payload Creation
- 8.6 Hexeditor Antiviruses
- 8.7 Making Our Payload Open An Image

9. Post Exploitation - Elevating Privileges, Extracting Data, Running Keyloggers
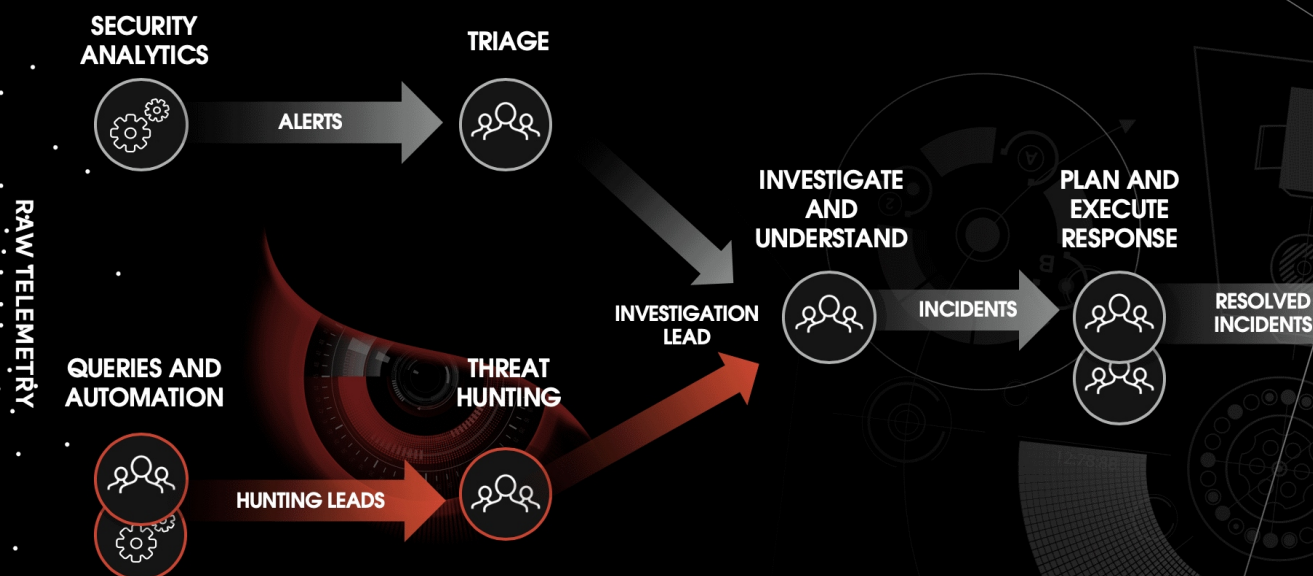
- 9.1 Post Exploitation Theory
- 9.2 Meterpreter Basic Commands Part 1
- 9.3 Meterpreter Basic Commands Part 2
- 9.4 Elevating Privileges With Different Modules
- 9.5 Creating Persistence On The Target System
- 9.6 Post Exploitation Modules
- 9.7 Exploitation Recap

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WHERE DOES THREAT HUNTING FIT?

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THE CHALLENGE

Cobalt Strike gives you a post-exploitation agent and covert channels to emulate a quiet long-term embedded actor in your customer's network. Malleable C2 lets you change your network indicators to look like different malware each time.

This channel is open to bad guys as well as defenders like you. It is challenging for defenders to combat new sophisticated attacks evolving each day. Network hunting is the only way to protect against smart hackers.

Why EDR and XDR Will Always Fail Against Sophisticated Payloads

Six of the most formidable techniques that expose the limitations of Endpoint Detection and Response (EDR) and Extended Detection and Response (XDR) systems, revealing why these powerful defenses can fail in the face of sophisticated payloads from an Offensive Security perspective

Network Monitoring: Intrusion Detection Using Zeek

10. Why EDR and XDR Will Always Fail Against Sophisticated Payloads

Here are 6 of the sophisticated techniques that make EDR and XDR-based and similar solutions incapable to deal with

- 10.1 The Unpredictability of Unknown Signatures
- 10.2 Timed Payloads: The Perfect Bait
- 10.3 File Pumping and Backdooring: Double Trouble
- 10.4 Polymorphic Encoding
- 10.5 Memory Injection and Code Execution
- 10.6 Code Injection via Process Hollowing

Zeek Instrusion Detection as the first step of threat hunting when EDR/XDR/SIEM fail

- 10.7   Introduction to the Capabilities of Zeek
- 10.8   An Overview of Zeek Logs
- 10.9   Parsing, Reading and Organizing Zeek Log Files
- 10.10 Generating, Capturing and Analyzing Network Scanner Traffic
- 10.11 Generating, Capturing and Analyzing DoS and DDoS-centric Network Traffic
- 10.12 Introduction to Zeek Scripting
- 10.13 Introduction to Zeek Signatures
- 10.14   Advanced Zeek Scripting for Anomaly and Malicious Event Detection
- 10.15   Profiling and Performance Metrics of Zeek
- 10.16   Application of the Zeek IDS for Real-Time Network Protection

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THREAT HUNT PROCESS

THREAT HUNTING

GETTING READY FOR LIVE —————— THREAT HUNTING

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THREAT HUNTING

We will spend most of this class analyzing PCAP files for Command and Control (C2) communications in order to identify malware back channels. It is assumed that the student will already understand the basics of network threat hunting, so we can immediately jump into applying that knowledge. The goal will be to create a threat hunting runbook that you can use within your own organization in order to identify systems that have been compromised

WORKING WITH RITA

Real Intelligence Threat Analytics (R-I-T-A) framework for detecting command and control communication through network traffic analysis. The RITA framework ingests Zeek logs in TSV or JSON format, or PCAPs converted to Zeek logs for analysis

11. Cyber Security Scripting for Threat Hunting

- 11.1 Network Traffic with Long Connections
- 11.2 Network Traffic with consistent busy traffic
- 11.3 Beacon Analysis
- 11.4 Scripting tool for Beacons
- 11.5 Scripting for http traffic for finding web anaomalies
- 11.6 Scripting for TLS and SSL traffic analysis
- 11.7 Scripting for IP, Proxy and SSL based beacons

12. Real Intelligence Threat Analytics (RITA)

- 12.1 RITA Introduction
- 12.2 RITA integration with Zeek
- 12.3 Working with network datasets using RITA
- 12.4 RITA in Threat Detection with Zeek
- 12.5 RITA for beacon detection
- 12.6 RITA for exploded-dns
- 12.7 Threat Detections with User Agents
- 12.8 RITA with Fully Qualified Domain based Threats
- 12.9 RITA with long connections

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CIU Accreditation and Recognition

Accreditations Details: https://cambridgeuniv.org/accreditation.php

CENTRAL VIGILANCE COMMISSION

Certificate of Commitment

This is to certify that

CAMBRIDGE INTERCONTINENTAL UNIVERSITY

has adopted the Integrity Pledge and is committed to uphold highest standards of integrity and good governance and to follow ethical practices in conducting its activities

2488776573

Central Vigilance Commission, Sa...
Tel: 011- 24600200 (30 Lines), Fax...

Private Institution
Institution ID: 120652
Valid until: 29 August 2025

Verifiable at:

INTERNATIONAL QAHE ASSOCIATION

For Quality Assurance in Pre-Tertiary and Higher education
Our mission is to enhance the quality assurance mechanism

Be it Known That

Cambridge Intercontinental University

Has satisfactorily met all the standards prescribed by the Accreditation Committee concerning educational quality, institutional integrity and public accountability, through a voluntary, non-governmental review process of quality assurance and institutional development.

FULL ACCREDITATION

In testimony whereof, we have affixed our signature and the seal of the organisation this 28 August 2024

QAHE is currently recognized by

Natashapert
Accreditation Committee

IARC   THE ACCREDITATION COUNCIL FOR EDUCATION

भारतीय गुणवत्ता परिषद्
QUALITY COUNCIL OF INDIA
QCI Creating an Ecosystem for Quality
QUALITY BHARAT
my GOV मेरी सरकार

Quality Bharat
PLEDGE

This certificate is proudly Awarded to
Technology Incubation Center CIU

in recognition of your unwavering commitment to uphold the highest standards of Quality towards realizing the vision of a Viksit Bharat@2047

4233856977

September, 28 2024

Chakravarthy T. Kannan
Secretary General,
Quality Council of India

INTERNATIONAL QAHE ASSOCIATION

ISO 17011:2017 CERTIFIED
QA AGENCY IN EDUCATION
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CIU Accreditation and Recognition

Accreditations Details: https://cambridgeuniv.org/accreditation.php

International QAHE Association

FOR QUALITY ASSURANCE IN HIGHER EDUCATION
OUR MISSION IS TO ENHANCE THE QUALITY ASSURANCE MECHANISM

Verifiable at:

Institutional Audit Report

University Name	Cambridge Intercontinental University
Type of Institution	Private Institution
Mode of Delivery	Distance Learning
Medium of Instruction	English
Location	USA/ Worldwide
Website	https://cambridgeuniv.org
Institution ID	120656

Review Areas	Grade
Academic Quality and Integrity	B
Teaching Staff Qualifications	B
Delivery of Programs	B+
Students Services	B
Website Design Performance	B+

Signed and Sealed this 30 Aug 2023
Valid Until 29 Aug 2024

Private Institution

QAHE is certified by AQS, UK

QAHE is currently recognized by

GDS Review > Cybersecurity Awards 2017

This is to Certify:

Technology Incubation Center CIU

Has been awarded:

Network Security Educator of the Year - India

Jane Henderson
Director
AI Global Media Ltd

Cyber Security awards

Technology Incubation Center CIU

Best in Telecommunication Education 2019 - India

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 12/11/2002
020758957 - 3600631

State of Delaware
Limited Liability Company
Certificate of Formation

This certificate of formation is being executed for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Company Act, 6 Del C 18-101, et Seq.
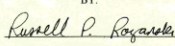
FIRST: The name of the limited liability company is **Cambridge Intercontinental University LLC**

SECOND: The address of its registered office in the State of Delaware is 113 Barksdale Professional Center in the City of Newark, County of New Castle. Zip code, 19711. The name of its Registered Agent at such address is Delaware Intercorp, Inc.

THIRD: The members agree to be bound by the signed Limited Liability Company Agreements except as they may be contradicted by the Limited Liability Company Act of the State of Delaware.

FOURTH: The nature of the business and the objects and purposes proposed to be transacted, promoted and carried on, are to carry on online and distance degree programs in Telecom & Higher Education, promote Scientific Research, and to engage in any lawful act or activity for which a Limited Liability Company may be organized under the Limited Liability Company Act of the State of Delaware.

IN WITNESS WHEREOF, I, Russell P. Rozanski, Secretary, being fully authorized to execute and file this document, for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Act, do make this Certificate of Formation, acknowledging under the penalties of perjury in the third degree, hereby declaring and certifying that this instrument is my act and deed and the facts herein are true, pursuant to 6 Del C §18-204 and accordingly have hereunto set my hand this Wednesday the Eleventh day of December 2002.

DELAWARE INTERCORP, INC.
BY:

Russell P. Rozanski, Secretary

Delaware
The First State
PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "CAMBRIDGE INTERCONTINENTAL UNIVERSITY LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWELFTH DAY OF DECEMBER, A.D. 2002.

Harriet Smith Windsor, Secretary of State

3600631 8300
020765370
AUTHENTICATION: 2143085
DATE: 12-12-02

Meet the Trainer
24 years experience in Network Security and Cyber Security Domain

CEO of Cambridge Intercontinental University ' USA

Author of several books and courses in IT Security and Enterprise Networking at university level for under-graduate and post-graduate courses.

"
"Idnan Asad – M.Sc IT | MBA | GMITE – Indian Institute of Management, Bangalore"

Courses Accredited by QAHE ' USA

About the Trainer

"
A seasoned entrepreneur with a demonstrated history of working in Information Technology & IT Security Education. Author of several IT Security books, Skilled in Business Planning, Cyber Security, Database, IT Service Management, General Management, and Pre-sales. Strong professional with a GMITE focused in IT from the Indian Institute of Management, Bangalore.

Activities : Network Security Integration and Training, Telecommunication Education, Data Networks & Cybersecurity Workshops.
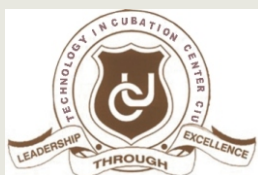
Linkedin : https://in.linkedin.com/in/idnan-asad

University: https://cambridgeuniv.org/courses/idnan.html
"

Technology Incubation Center CIU

C/o Maria International School
Jumman Colony, Baragain Road,
Ranchi -834009
WhatsApp/Call : +91 8092431131

Website : www.ciutesting.com

Technology Incubation Center CIU

List of certified candidates @ www.cambridgeuniv.org/alumni
Over 145000 Certified Candidates Globally

PARTIAL STUDENT'S LIST OF TIC CIU CERTIFICATIONS

Name	Location	Organization
Siddharth Yeshwanth	Hyderabad	General Electric
RAJIB BANERJEE	Kharagpur	IBM
Arindam Patra	Jamshedpur	IBM
Ashok Yadav	Jamshedpur	IBM
Subhajit Das	Kolkata	R S Software (I) Ltd
Rajtilak Majumder	Kalyani	Globsyn Technologies
John Mathew	Secunderabad	GENPACT IT Services
Vinay Prabhakar	Mandya	TATA TELESERVICES
Rabi Sankar	Kolkata	Dishnet Wireless Limited
Sivaram Krishna	Tirupati	CMC Limited,
Ratna Karbhowmik	Kolkata	AREVA T&D India Limited
Guru Moorthy	Bangalore	Microland
Mir Mohsin Hossain	Dhaka	City Bank
Anirban Dey	Kolkata	Hong Kong Bank
Rajneesh Chaturvedi	New Delhi	Aviva Life Insurance
Chidambaram M.	Bangalore	ACCEL ICIM Frontline Ltd
Sandeep Bhargava	Jaipur	Ericsson India Private Limited
Jyotirmoy Roy	Kolkata	CMS Computers Ltd
Md Jainul Hoque	kolkata	Videocon Industries Ltd.
Aymen Hussein	Riyadh	New Horizons
Muhannad Al-Sraihiny	Riyadh	New Horizons
NAGENDRA PRASATH	Chennai	BHARTI TELEVENTURES LTD
Md Ithesham Feroz	Hyderabad	GE Capital
Pankaj Vibhute	Mumbai	Tata Consultancy Services
Karthik Subramaniam	Coimbatore	HCL Technologies
Vivek Sen	Khargapur	IBM India Limited
SANJEEV SHARMA	HARYANA	NOKIA INDIA PRIVATE LIMITED
Chandra Banerjee	Kolkata	Ontrack Systems Ltd
Anirudha Joshi	Mumbai	Wipro Infotech Ltd
Anjani Dwivedi	Satna	Air tel
Faiz A. Roomi	Patna	IGNOU
Khaled Abdo	Salalah	Dhofar University
Vijayasekar	Coimbatore	Vidyasagar College of Arts & Sc
S. VenkateshHegde	Columbia	University South Carolina
Gaurav Bisht	Delhi	VSNL
Mohd Shahid	Delhi	VSNL
RAKESH PURKAIT	KOLKATA	VSNL
T. Sudhakar	Banglore	STPI
Moolaveesala V	Visakhapatnam	Software Technology Parks of India
EMMANUEL ASIMADI	Accra	Ghana Telecom
Muhammad Ibrahim	hosur	IIHT
Sherif Awad	Alexandria	Eltawil international trade
Anthony Elue	Enugu	Rainbownet ltd
Mohamed Mansour	Alexandria	Misr Chemical Industrials
Jitendra Shah	Jaipur	JEC
REA BELFON	PORT OF SPAIN	IN EXCESS LTD
Gaurav Chhabra	New Delhi	Theikos
Nirmalya Pal	Kolkata	Assuredhost
Chetan Thakur	Pune	Bluelane Tech Inc.
Snehal Baviskar	Ambernath	Ashtech Infotech Pvt.Ltd
Andrew Shoko	Harare	Powertel Communications
Edgardo Cosme-Vel	Ceiba	Aleut Communications
Stanley kumbol	Accra	Ghana telecom
Rajiv Kumar	Gandhinagar	GSWAN
Henry Arockiaraj	Coimbatore	RGM
Christy Elias	Bangalore	Webspectrum
Pratesh Pulayin	RAJKOT	ICENET.NET LTD
Michel Fahmy	Cairo	Telemetry MWRI
Mohammad Syed	Austin	T.W.C
Kaustuva Chatterjee	Kolkata	Bhart Telesoft